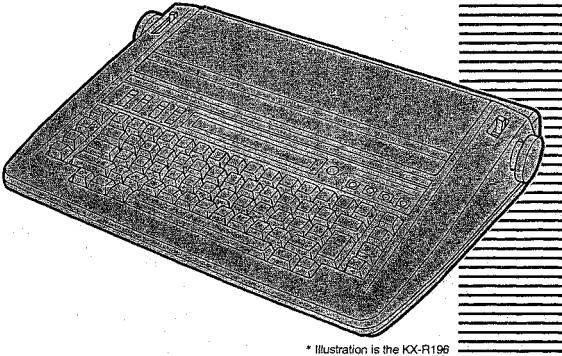
Panasonic

# Operating Instructions

Electronic Typewriter

Model No. **KX-R194/KX-R196**



* Illustration is the KX-R196

Before operating this unit, please read these instructions completely.

## IMPORTANT (FOR UNITED KINGDOM)

The wires in this mains lead are coloured in accordance with the following code:

Blue: Neutral
Brown: Live

As the colours of the wires in the mains lead of this apparatus may not correspond with the coloured markings identifying the terminals in your plug, proceed as follows:

- The wire which is coloured blue must be connected to the terminal which is marked with the letter N or coloured black.
- The wires which is coloured brown must be connected to the terminal which is marked with the letter L or coloured red.

- This equipment is produced to BS800: 1988.

## WARNING

- When you operate this equipment, the power-outlet should be near the equipment and be easily accessible.
- Power source voltage of this unit is listed on the nameplate. Do not fail to plug the typewriter into an outlet with the proper voltage.
- To prevent fire or shock hazard, do not expose this product to rain or any type of moisture.

The serial number of the unit may be found on the label at the right side of the unit when the Top Cover is opened. For your convenience, note this number below, and retain this book along with your proof of purchase, to serve as a permanent record of your purchase or for future reference.

MODEL NO. _____

SERIAL NO. _____

NAME OF DEALER _____

ADDRESS OF DEALER _____

DATE OF PURCHASE _____

**Accessories (included)**

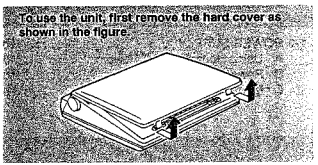
Make sure that the following parts have been included with the unit.

- Ribbon Cassette (installed on the carriage) ... 1
- Correction Tape (installed on the carriage) ... 1
- Daisywheel [KX-R10] (installed on the carriage) ... 1
- Operating Instruction Manual ... 1
- Hard Cover ... 1
- Quick Reference Card ... 1

Any details given in these Operating Instructions are subject to change without notice.

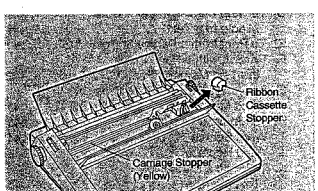
## Precautions

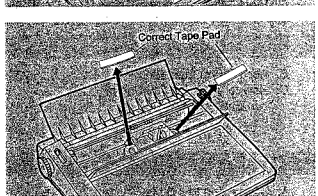
(Be sure to read this section before operating this unit.)




- After confirming that the **POWER** switch is turned to STANDBY (⏻), open the paper support and the top cover then remove the ribbon cassette stopper installed on the ribbon cassette and the carriage stopper installed on the carriage shaft.
  Be sure to keep these stoppers so the unit can be transported safely, if the need arises.

**NOTE:** Be careful not to damage the flat cable located at the right side of the carriage while removing the carriage stopper and the ribbon cassette stopper.




- When you transport or ship the typewriter, be sure to position the carriage at the far right of the unit, and insert the carriage stopper and the ribbon cassette stopper.

*If there is a protective film on the LCD Cover, remove it so that it does not interfere with the LCD.
(Refer to p. 6.)

## Cautions

- Do not place your typewriter where it is exposed to direct sunlight, heat or intense vibration.

- Do not allow any foreign matter to enter the interior of the typewriter or get between the keys. Be especially careful of metal objects.

- To prevent electric shock, do not remove screws. No user serviceable parts inside.

- Use only soft, dry cloth to clean your typewriter. Water or thinners may damage the covers, cases or electronic circuitry.

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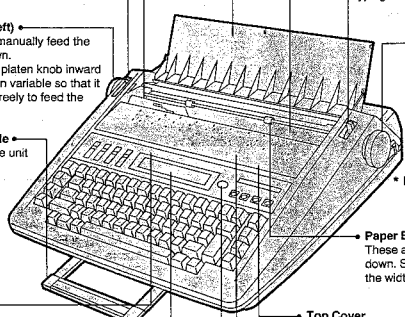
# 1-1 NAMES AND OPERATION OF THE PARTS

## A Main Parts



**Paper Support**

**Carriage**
The ribbon cassette, correction tape and daisywheel are installed on the carriage.

**Paper Bail Lever**
Pulling this lever moves the paper bail away from the platen to make paper insertion easy.

**Platen Knob (left)**
This is used to manually feed the paper up or down.
Pushing the left platen knob inward makes the platen variable so that it can be rotated freely to feed the paper.

**Carrying Handle**
Do not swing the unit excessively.

**LCD Cover**

**LCD**
The KX-R194 has a 17 character LCD (including character counter).
The KX-R196 has a 33 character LCD (including character counter).
The Liquid Crystal Display (LCD) which helps to confirm the typed characters before printing. A 3 digit counter lets you know how many characters are left on the current line.
You are also able to view stored phrases, texts or address list memory on the display to correct, delete, or edit it before printing.

**Platen**

**Paper Release Lever**
This lever is used to release the paper. Pulling this lever toward you releases the paper so that you can adjust it freely. Be sure to move this lever back to lock the paper before typing.

**Platen Knob (right)**

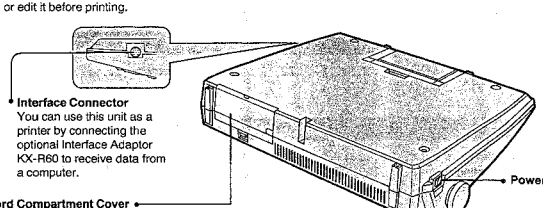
* Illustration is the KX-R196.

**Paper Bail and Rollers**
These are used to hold the paper down. Set the rollers according to the width of the paper being used.

**Top Cover**
The cover must be opened when you change the daisywheel, ribbon cassette or correction tape.

**Pitch Scale**
Scales for three pitches of 10, 12 and 15 are shown. Use these scales for margin and tab setting.

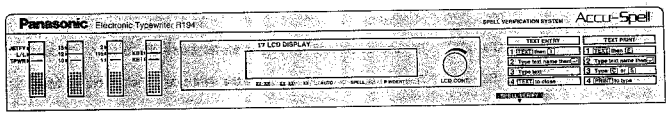
**LCD Contrast Control**
This is used to adjust the contrast of the LCD.

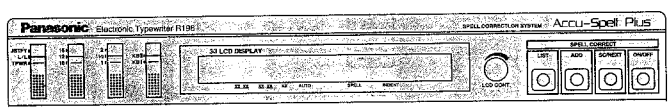


**Interface Connector**
You can use this unit as a printer by connecting the optional Interface Adaptor KX-R60 to receive data from a computer.

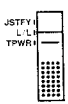
**AC Power Cord Compartment Cover**

**Power Switch**

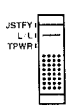



## Typing Mode Selector (TPWR•L/L•JSTFY)



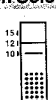

**Typewriter (TPWR) Mode**
The characters entered will be printed immediately. You can set the margins and tabs in this mode. You can select either NORM or AUTO Carriage Return in this mode by pressing **CODE** + **A**.




**LINE by LINE (L/L) Typing Mode**
When character keys are pressed, the respective characters appear on the display and can be edited (inserted, deleted, corrected) on the display before they are printed. When typing a character after entering a "Hyphen" or space with in the "Hot Zone" or beyond the "Right Margin", Automatic Carriage Return will occur.

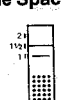
**Justify (JSTFY) Printing Mode**
The typed characters will first appear on the display at which time the characters can be edited before they are printed. When the characters exceed the right margin, the typewriter will start printing the line up to the last word within the right margin, aligning the last character of each line at the right margin and returning the carriage automatically.
To print a line which does not reach the right margin, press the **RETURN** ( ↵ ) key.

## Pitch Selector (10•12•15)



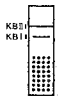

This selector should be set to correspond with the pitch of daisywheel in the machine.
**10** . . . . . 10 characters per inch (2.54 cm) or 100 characters per line can be printed.
**12** . . . . . 12 characters per inch (2.54 cm) or 120 characters per line can be printed.
**15** . . . . . 15 characters per inch (2.54 cm) or 150 characters per line can be printed.

## Line Spacing Selector (1•1½•2)




This selector is used for choosing the amount of paper that is fed each time the **RETURN** ( ↵ ) key is pressed.
**1** . . . . . Paper is fed one line.
**1½** . . . . . Paper is fed one and a half lines.
**2** . . . . . Paper is fed two lines.
• When the platen knob is rotated manually, one click moves the platen one half line.

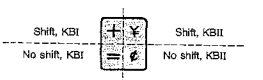
## Keyboard Selector (KBI·KBII)




This selector is used to differentiate between characters and symbols contained in each key.

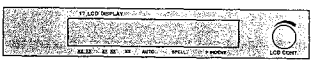
**KBI** ..... The characters and symbols on the left side of the key can be typed.

**KBII** ..... The characters and symbols on the right side of the key can be typed.




• The symbol ( ° ) is used as degree sign.

41°F (5°C)




**KX-R194**

**KX-R196**

**Mode Status Indicators**
**(P INDENT or INDENT, SPELL, AUTO, XX, XX XX, XX XX)**

**P INDENT** (KX-R194) ···· The **CODE + I** keys select the paragraph indent function.

**INDENT** (KX-R196) ..... The **CODE + I** keys select the paragraph indent function.
The **CODE + G** keys select the block indent function.

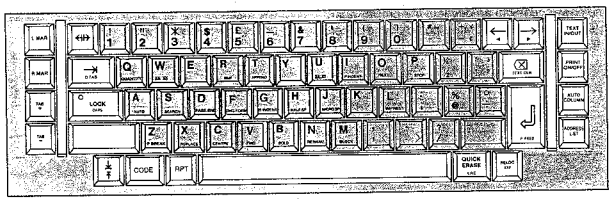
**SPELL** ..... The **CODE + =** keys or Accu-Spell Plus ON/OFF key selects the Accu-Spell or Accu-Spell Plus function.

**AUTO** ..... The **CODE + A** keys select whether a carriage return is made automatically or manually in the "Hot Zone".

**XX** ..... The **CODE + B** keys select the bold print function.

**XX XX** ..... The **CODE + W** keys select the word by word underlining function.

**XX XX** ..... The **CODE + U** keys select the continuous underlining function.



* Keytops D, G and Z of the KX-R196 keyboard are different from KX-R194 to provide the additional functions.

(KXR196 Keyboard)

L MAR — Sets the left margin.

R MAR — Sets the right margin.

TAB + — Set TAB stops.

TAB − — Clears TAB stops. Also clears margins and all tabs when used with **CODE** key.

⇤⇥ — Releases left and right margins.

→| TAB — Moves the carriage to the next tab position or to the right margin.

LOCK CAPS — Pressing down this key locks the shift function so that capital letters or symbols on the top part of keys can be printed successively.
Pressing the **SHIFT** (⇧) key terminates the lock function.

- **Shift Lock Indicator**
  Illuminates during the lock function.

Pressing a character key while holding down this key causes the capital letter or the symbol on the top part of the key to be printed.

RELOC EXP — Moves the carriage next to the last printed character.
(When you press this key after correcting errors on any previous line, the carriage moves next to the last printed character on the end of line so that you can continue typing with no delay.)
Also moves the carriage to the beginning of the line without line spacing when used with the **CODE** key. (Express Return)

QUICK ERASE LINE — Allows you to erase one word at a time.
Also deletes one line at a time when used with the **CODE** key.

↓̲ — Moves the paper up ½ line. Also moves the paper down ½ line when used with **CODE** key.

CODE — Command key for automated functions used in conjunction with other keys.

RPT — Makes most keys repetitive keys.

↵ + FEED — Moves the carriage to the left margin of the next line. Also automatically inserts the paper when used with **CODE** key.

TEXT CLR — Deletes characters from paper, display and memory.

→ — Moves the information on the display by one character toward the left.
Moves to next text name.

← — Moves the carriage by one space toward the left or the information on the display toward the right.
Moves to prior text name.

ADDRESS LIST — Instructs the typewriter to make an Address List.

AUTO COLUMN — Instructs the typewriter to make a table.

PRINT ON/OFF — Instruct the typewriter to start/stop printing documents or phrases stored in memory.

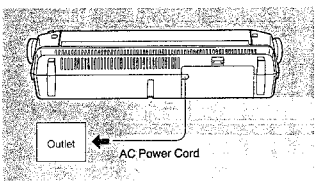
TEXT IN/OUT — Allows you to enter/recall information into/from memory and view the text on the display for modification.

# 1-2 POWER SUPPLY

1

## A Using Household AC Power

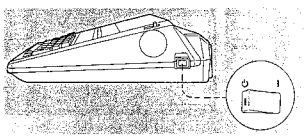
Fit a suitable plug to the AC Power Cord before use. Plug the power cord into an outlet of the proper rating which is listed on the nameplate located on the bottom of the typewriter.




*When you will not be using the typewriter for a long period, unplug the power cord after turning the **POWER** switch to STANDBY (⏻). About 3 watts are consumed even while the **POWER** switch is turned to STANDBY (⏻).

## B Power Switch

When the **POWER** switch is set to " | ", the carriage will move to the left margin which was last set. The unit is now ready for typing.




## C Memory Back-up Function

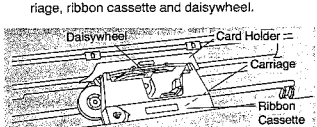
The following will be stored even after the **POWER** switch is turned to STANDBY (⏻):

- **Stored Text**
- **Stored Phrase**
- **Stored Address List**
- **Margins**
- **Tabs**
- **Typing Impression**
- **Page End (KX-R196)**
- **Stored Dictionary (KX-R196)**

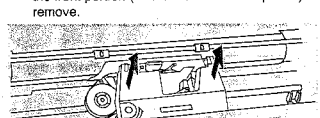
The built-in lithium battery that is used to retain these functions can be used for about 5 years.

# 1-3 CHANGING THE RIBBON CASSETTE

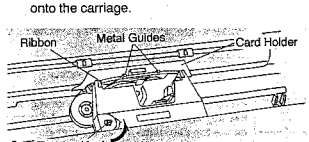
**1** After turning the **POWER** switch to STANDBY (⏻), lift the top cover, and you will see the carriage, ribbon cassette and daisywheel.




**2** Hold the ribbon cassette on both sides and lift up the front portion (where the ribbon is exposed) to remove.



**3** To insert a new cassette, place the back end of the cassette on the cassette holder on the carriage and snap the front portion of the cassette onto the carriage.



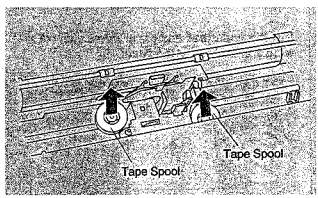

**4** Advance the tension knob on the cassette anticlockwise until the ribbon slack is tightened.

Press the **CODE + K** keys to initialise the carriage, if you change the ribbon cassette without turning the **POWER** switch to STANDBY (⏻).

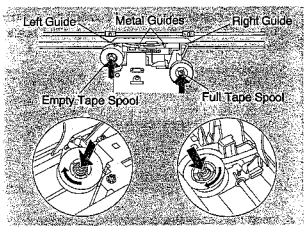
# 1-4 CHANGING THE CORRECTION TAPE



**1** After turning the **POWER** switch to STANDBY ( ⏻ ), to replace the correction tape, lift out the typing ribbon cassette (see "1-3 CHANGING THE RIBBON CASSETTE") and remove the two spools of the lift-off tape by pulling them outward.




**2** Place the empty spool of new tape on the left pin so that the tape winds clockwise. Place the tape around the left guide and behind both metal guides. Pull the tape around the right guide and place the loaded spool on the right pin so that the tape unwinds clockwise.




**3** Manually turn the left-hand spool in the clockwise direction, tightening the tape until resistance is felt.

**4** Replace the typing ribbon cassette.

Press the **CODE** + **K** keys to initialise the carriage, if you change the correction tape without turning off the **POWER** switch to STANDBY ( ⏻ ).

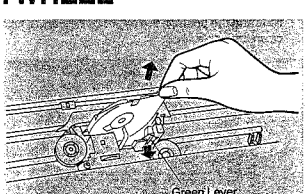
* After changing the correction tape, confirm that the correctable (rough) side of the tape faces toward the platen.

# 1-5 CHANGING THE DAISYWHEEL

To remove the daisywheel, you do not have to remove the ribbon cassette.
You will see a green lever on the right side of the carriage. After turning the **POWER** switch to STAND-BY ( ⏻ ), pull this lever toward you and lift out the plastic cartridge of the daisywheel.

To insert the daisywheel, place the plastic cartridge in the carriage with the characters facing toward the platen. Push the green lever back into position.

Press the **CODE** + **K** keys to initialise the carriage, if you change the daisywheel without turning the **POWER** switch to STANDBY ( ⏻ ).

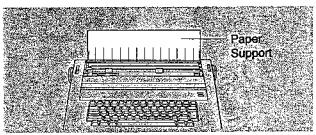



If you experience trouble locking the Daisywheel into place, make sure it is pressed down as far as possible. Then, push the locking lever forward again.

# 1-6 INSERTING THE PAPER

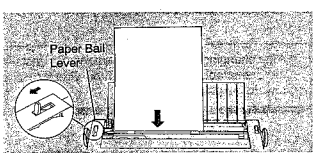
1

1 Open the paper support and position the scale for the size of the paper you are using. (The scale is on the paper support.)

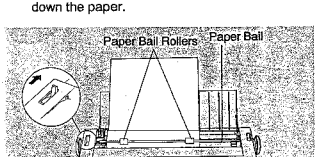



2 Insert the paper straight behind the platen.

3 Pull the paper bail lever towards you. While keeping the left edge of the paper in line with the scale, press the **CODE + RETURN** ( ↵ ) keys. Your paper is automatically positioned at line 7. Should you wish to change the point of insertion. Using the **RETURN** ( ↵ ), **INDEX** ( ↓ ), **CODE + INDEX** ( ↓ ) keys or turn the platen knob move the carriage to the desired position.

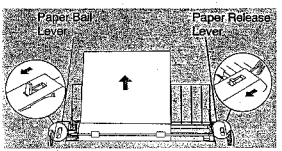



4 Return the paper bail lever to their original positions and the position the paper bail rollers to hold down the paper.

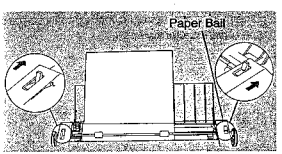



**NOTE:** If there is any slack in the paper, proper printing and correction will not be possible. Hold the paper by the top edges and pull up to remove any slack. Please do the following.

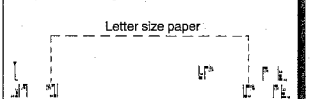
Pull the paper bail and paper release levers toward you and adjust the paper.




Return the paper release and paper bail levers to their original position.




*Your typewriter has a 12" paper width capacity.
For your convenience several scales have been marked on the Paper Support. Align the left edge of the paper with the appropriate marking.



# 2-1 USING THE TYPEWRITER

This section introduces you to the fundamental operations of the Panasonic Typewriter. Read through it and do the exercises to familiarise yourself with each operation.

This manual provides operations of KX-R194 and KX-R196. Due to having the different size LCD, KX-R194 has 17 character LCD and KX-R196 has 33 character LCD, display messages are different from each other. So these messages are distinguished as follows in the manual:

The above one of two display messages represents that for KX-R194 and the below is KX-R196.

| L.M. SET | (KX-R194) |
|---|---|
| LEFT MARGIN WAS SET | (KX-R196) |

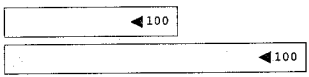


## A Procedure for Typing

1 Open the top cover and confirm that the ribbon cassette, correction tape and daisywheel are properly installed on the carriage.
Remove the ribbon cassette stopper and carriage stopper if you have not already done so.
*Confirm that the pitch selector is set to the pitch of the daisywheel you are using.

2 Connect the AC power cord to a household AC outlet.

3 Turn ON the **POWER** switch. The display shows the indicator arrow (◀) and the number of characters available on the writing line.




4 Insert the paper behind the platen and press the **CODE** + **RETURN** ( ↵ ) keys.

**Now you can begin typing.**

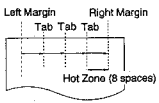
5 Type the following characters.

```
Typewriter
```

- When the Typing Mode Selector is on the "TPWR" position, the characters will be printed on the paper immediately.
- When the Typing Mode Selector is on the "L/L" or "JSTFY" position, the characters will appear on the display. Press the **RETURN** ( ↵ ) key to print them.

You will now learn how to use the typewriter to perform simple operations.
Read the following descriptions thoroughly in order to make the most effective use of the functions of the typewriter.

## B Margin Formats




When you turn ON the **POWER** switch, the margin formats (margins and tabs) which were previously stored will automatically be set.
If you want to change this margin format, simply do the following:

## To Clear Margins and All Tabs

1 [CODE] + [TAB –]

Press the **CODE** + **TAB –** keys. The display will show "MAR/TAB CLEAR" or "MARGINS/ALL TABS WERE CLEARED" for one seconds.
The carriage moves to the left margin and clears the entire line format (both margins and all tabs).

```
MAR/TAB CLEAR
```

```
MARGINS/ALL TABS WERE CLEARED
```

2

- Should you want to change a TAB stop, press the **TAB** (→) key to move the carriage to the tab position to be cleared, and press the **TAB –** key. The display will show "TAB CLEAR" or "TAB WAS CLEARED" for one second.

```
TAB CLEAR
```

```
TAB WAS CLEARED
```

- To set a TAB, press the **TAB +** key when the carriage is at the desired position. The display will show "TAB SET" or "TAB WAS SET" for one second.

```
TAB SET
```

```
TAB WAS SET
```

## To Set Margins and Tabs

1 [CODE] + [TAB –]

Press the **CODE** + **TAB –** keys.
Clear the current tabs. Refer to "To Clear Margins and All Tabs".

2 [SPACE BAR] / [←]

Press the **SPACE BAR** or ← key to move the carriage to the desired left margin position.

3 [L.MAR]

Press the **L MAR** key to set the left margin.
The display will show "L.M. SET" or "LEFT MARGIN WAS SET" for one second.

```
L.M. SET
```

```
LEFT MARGIN WAS SET
```

4 [SPACE BAR]

Press the **SPACE BAR** until you reach the first desired TAB stop.

5 [TAB +]

Press the **TAB +** key to set the first TAB stop.
The display will show "TAB SET" or "TAB WAS SET" for one second.

```
TAB SET
```

```
TAB WAS SET
```

6 Repeat steps 4 and 5.

Repeat steps 4 and 5 for each desired TAB stop. Remember that the maximum number of TAB stops is 13. When you entered more than 14 TAB stops, the display will prompt "TOO MANY TABS!" or "TOO MANY TAB STOPS!".

7 SPACE BAR / ←

Press the **SPACE BAR** or ← key to move the carriage to the desired right margin position.

8 R MAR

Press the **R MAR** key to set the right margin.
The display will show "R.M. SET" or "RIGHT MARGIN WAS SET" for one second.

```
R.M. SET
```

```
RIGHT MARGIN WAS SET
```

9 RETURN

Press the **RETURN** ( ↵ ) key to move the carriage to the left margin on the next line.

**Example:** Set the margins and tabs as follows:

1. Set the left margin at 15
2. Set the first TAB at 30
3. Set the second TAB at 45
4. Set the third TAB at 60
5. Set the right margin at 75

## C Hot Zone

The "Hot Zone" is preprogrammed in the machine at 8 spaces from the right margin. When the carriage enters the "Hot Zone", you will hear the buzzer which indicates that the right margin is approaching.

## D Using the Display

This typewriter has a liquid crystal display (LCD) which acts as an operator prompt, allowing you to correct, edit, move or delete information.

When typing, most errors are "felt" by the operator. Through the use of the display, you can check if there are errors and correct them before they are printed.

In order to activate the display, your typing mode selector must be in the "L/L" or "JSTFY" position.

### Display Messages

The display will give you certain messages to guide you through your projects. As you proceed through the exercises in this manual, these messages will become second nature to you.
(On pp. 76-79 you will find a listing of all the display prompts.)

## Display Symbols

As you begin the exercises, you will see various symbols on the display. These symbols indicate certain functions and are listed below to help you understand what you are seeing.

You are not expected to memorize these symbols. As you proceed through this book, you will become familiar with them and understand how they relate to the various functions you are asking your typewriter to perform.

2

- ◄ Indicator Arrow
- Manual Return
- Beginning of Text or Term
- B Bold Mode Start
- B Bold Mode End / Bold Print is in operation
- P No Print
- C Centring
- D Decimal Tabulation
- S Stop Code
- R Right Margin Flush
- M Manual Correction
- Index Command
- Reverse Index Command
- -- Half Space
- --- Micro Spacing
- ▼ Manual Page Break (KX-R196)
- Open/Close of Block Move, Copy or Delete / Separate Mark
- Paragraph Indent
- Block Indent (KX-R196)
- Temporary Hyphen
- Permanent Space
- Tab Command
- Continuous Underline Mode Start
- Continuous Underline Mode End / Continuous Underline is in operation
- B Bold Print and Continuous Underline / are in operation
- Word by Word Underline Mode Start
- Word by Word Underline Mode End / Word by Word Underline is in operation
- B Bold Print and Word by Word / Underline are in operation
- T Text Mode

## E Index ( ↓ ) and Reverse Index ( ↑ )

The **INDEX** ( ↓ ) key allows you to move the paper ½ line toward the bottom of the page. The **CODE** + **INDEX** ( ↓ ) keys allow you to move the paper ½ line toward the top of the page.

These keys are used for the typing of superscripts (e.g. $10^8$) and subscripts (e.g. $\log_{10} 1000$). You will also use them during correction.

The 4th of July is Independence Day.

**1** Type "The 4".

To type this sentence, you would first enter "The 4" and then:

**2** CODE + ↓

Press the **CODE** + **INDEX** ( ↓ ) keys and type "th".

**3** ↓

Press the **INDEX** ( ↓ ) key to reposition the carriage on the actual typing line. Continue typing. To type a subscript, reverse the keystroke order.

# F Correction

## To Correct Errors on the Current Line

The unit has a one line correction memory so you can delete characters on the current line automatically with one simple operation.

**1** [⊠ TEXT CLR]

To erase the last printed character on the current line:
Press the **CANCEL** ( ⊠ ) key to "lift" the incorrect character off the paper. If you press the **CANCEL** ( ⊠ ) key again or the **RPT** key the next character will be erased.

- To erase characters towards the beginning of the line, press the **CODE** + **RELOC** keys, the **SPACE BAR** or the ← key and position the carriage so that the character to be erased is aligned between the two vertical lines on the top of the Card (Plastic) Scale.
  Press the **CANCEL** ( ⊠ ) key.

**2** Type the correct character(s).

**3** [RELOC EXP]

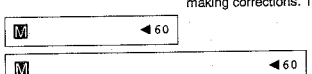
Press the **RELOC** key after making the correction to move the carriage back to the end of the line.

## To Make Manual Corrections on a Previous Line

To erase characters on previous lines.

**1** [CODE] + [⊠ TEXT CLR]

Press the **CODE** + **CANCEL** ( ⊠ ) keys to enter the manual correction mode. The carriage will automatically move to the left margin to allow you to begin making corrections. The display will show the symbol "M".




**2** [CODE] + [↓ INDEX]

Press the **CODE** + **INDEX** ( ↓ ) keys to position the carriage on the line with the error.

**3** Position the carriage over the error.

**4** [CODE] + [⊠ TEXT CLR]

Press the **CODE** + **CANCEL** ( ⊠ ) keys.

**5** Retype the incorrect character.

This will lift the character off the paper.

**6** Type the correct character.

- Repeat steps 2-6 to correct errors on another line.
- Repeat steps 3-6 to correct another character on the same line.

**7** [RELOC EXP]

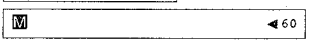
Press the **RELOC** key.
This will position the carriage to the end of the last line.
The symbol "M" will disappear from the display.

## Disabling Print When Making Manual Corrections

The **PRINT** key may be used to make manual corrections.
This feature is especially helpful when making many corrections successively.

**1** CODE + CANCEL (TEXT CLR)

Press the **CODE** + **CANCEL** ( ⊠ ) keys.
The carriage will automatically return to the left margin.
The display will show the symbol "M".

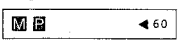


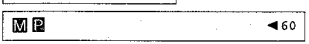

**2** CODE + INDEX ( ↓ )

Press the **CODE** + **INDEX** ( ↓ ) keys to position the carriage at the beginning of the line on which the correction is to be made.

**3** PRINT ON/OFF

Press the **PRINT** key.




**4** Position the carriage over the error.

**5** Retype the error.

This information has now been entered back into memory but has not reprinted on the paper.

**6** PRINT ON/OFF

Press the **PRINT** keys.

**7** CANCEL (TEXT CLR) / QUICK ERASE (LINE)

Press the **CANCEL** ( ⊠ ) or **QUICK ERASE** key to delete the entered characters.

**8** Type the correct character.

- Repeat steps 2-8 for each error to be corrected.

**9** RELOC EXP

Press the **RELOC** key.
This will position the carriage to the right of the character printed last before correction. The symbol "M" will disappear from the display.

In the Justify Printing Mode:

- Perform the steps 1-2.
- Press the **PRINT** key.
- Retype the entire line with the error, and continue typing the line until the carriage reaches the right margin. It is necessary to type beyond the error line so that the typewriter can perform its justification.
- Press the ← or **SPACE BAR** to position the carriage on the error.
- Press the **CANCEL** ( ⊠ ) key to delete the error.
- Type the correct characters.
- Press the **RELOC** key.

## To Make Corrections on the Display

Move the typing mode selector to "L/L" or "JSTFY". This will activate the display. As you type, the descending line counter will count down for each character key depression, letting you know how many more characters may be entered on the current line.

**Enter the following information including the errors. Do not press the RETURN ( ↵ ) key at the end of the line.**

"Errors are corrected before tehy are printed on paper.".

The display will show:

```
nted on paper.◀  6
ore tehy are printed on paper.◀  6
```

**1** ← ◀

Press the ← key to position the error to the left of the indicator (◀).

```
ted before teh ◀ 29
rrors are corrected before teh ◀ 29
```

**2** ⌫ TEST CUR

Press the **CANCEL** ( ⌫ ) key to delete the incorrect characters.

```
ected before t ◀ 31
 Errors are corrected before t ◀ 31
```

**3** Enter the correct characters.

```
ted before the ◀29
rrors are corrected before the ◀ 29
```

**4** → ▶

Press the → key to move toward the next error or to the end of the line.

**5** ↵ PRINT

Press the **RETURN** ( ↵ ) key to print the information you have typed.

- If the error is located toward the beginning of the line, you may use the **CODE + RELOC** keys instead of the ← key. To reposition the carriage at the end of the line, use the **RELOC** key instead of the → key.

## To Erase One Word at a Time

The **QUICK ERASE** key may be used to speed up correction by deleting one word on the paper or the display at a time.

**1** → ▶ / ← ◀

Press the ← key or the → key to position the carriage one character to the right of the incorrect word.

- If you have pressed the **SPACE BAR** after typing an incorrect word, make sure to press the ← key before pressing the **QUICK ERASE** key.

**2** QUICK ERASE LINE

Press the **QUICK ERASE** key.

**3** Type the correct words.

## To Erase One Line at a Time

This function may be used to speed up correction by deleting one entire line on the page at once.

**1** [←] / [SPACE BAR]

Press the ← key or the **SPACE BAR** to locate the last character of the line to be deleted.

**2** [CODE] + [QUICK ERASE LINE]

Press the **CODE** + **QUICK ERASE** keys.
The typewriter will delete an entire line at a time.

- If you want to stop deleting information in the middle of the line, press the **PRINT** key. The display will show.

```
CONTINUE Y/N?
```

```
CONTINUE Y/N?
```

**To continue deleting:**
Press the **"Y"** key.

**To exit the deleting command:**
Press the **"N"** key.

**3** Retype new information.

## G Bold Print

**1** [CODE] + [B BOLD]

Press the **CODE** + **B** keys.
The display will show "◧".

- The mode status indicator for "Bold" is displayed.

```
                                        ◧60
                                        ▼
                                        XX
```

```
                                                ◧60
                                                ▼
                                                XX
```

**2** Type your information.

As you type the characters, they will be printed in bold face.

**Panasonic**

**3** [CODE] + [B BOLD]

Press the **CODE** + **B** keys to cancel the command.

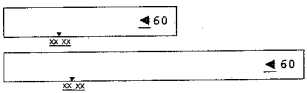
- When the typing mode selector is on the "JSTFY" or "L/L" position, the symbol "◧" is displayed in front of and the symbol "◨" is displayed behind the characters to be bold.

## H Underlining

### Continuous Underlining

**1** CODE + U

Press the **CODE + U** keys.
The display will show "◀".
- The mode status indicator for "Continuous Underlining" is displayed.



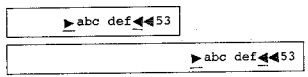

**2** Type your information.

All characters and spaces will be underlined.

Electronic Typewriter

**3** CODE + U

Press the **CODE + U** keys to cancel the command.
- When the typing mode selector is set to "JSTFY" or "L/L" position, the symbol "▶" is displayed in front of and the symbol "◀" is displayed behind the information to be underlined.

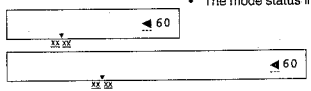



- When the bold print command is set together with continuous underlining, the symbol "◘" will be shown on the display.

### Word by Word Underlining

**1** CODE + W

Press the **CODE + W** keys.
The display will show "◀".
- The mode status indicator for "word by word underlining" is displayed.



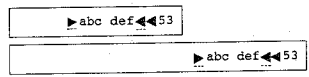

**2** Type your information.

Only characters will be underlined.
- Spaces will not be underlined.

Electronic Typewriter

**3** CODE + W

Press the **CODE + W** keys to cancel the command.
- When the typing mode selector is set to "JSTFY" or "L/L", the symbol "▶" is displayed in front of and the symbol "◀" is displayed behind the information to be underlined.



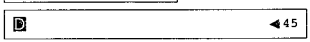

- When the bold print command is set together with word by word underlining, the symbol "◘" will be shown on the display.

## I. Decimal Tabulation

The unit will automatically align decimal points at the preset tab stops and eliminates the need to space to the correct starting position in a column.
This function also can be used when typing formats which include characters.

**1** CODE + →| TAB

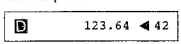
Press the **CODE** + **TAB** (→|) keys.
The carriage will move to the first tab position and the display will show "D".

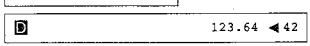



2

**2** Enter the numbers and decimal point.

The entry can be seen on the display.

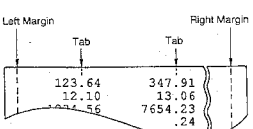



**3** CODE + →| TAB

Press the **CODE** + **TAB** (→|) keys.
The first column will be printed so that the decimal point is positioned on the first tab stop and the carriage will move to the next tab position.
Repeat the above two steps until you have completed all of your column entries.

- After entering the last number, press the **RETURN** ( ↵ ), **TAB** (→|) or **PRINT** key to execute printing.
- To terminate the Decimal Tabulation command, while "D" is on the display as shown in steps 1 and 2, press the **CANCEL** ( ⊠ ) key.



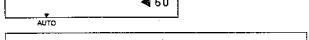

## J. Carriage Return (NORM/AUTO)

The **CODE** + **A** keys select whether a carriage return is made automatically or normally in the "Hot Zone".

CODE + A AUTO

**NORM:** Printing stops at the right margin.
**AUTO:** When a character after entering a "Hyphen" or "Space" is entered within the "Hot Zone", the carriage automatically returns to the left margin or the paragraph indent position of the next line.

- When the automatic carriage return mode is set, the status indicator is displayed.




- When the typing mode selector is set to "L/L", the carriage always returns automatically whether you set the automatic carriage return or not.

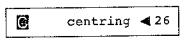
## K Centring

### Between Margins

1 Press the **RETURN** ( ↵ ) key to position the carriage at the left margin.

2 CODE + C (CENTRE) Press the **CODE + C** keys to move the carriage to the centre of the margins. The display will show "C".

3 Enter the information to be centred. The characters will appear on the display.



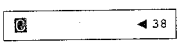
4 RETURN ( ↵ ) / TAB (⇥) / PRINT ON/OFF Press the **RETURN** ( ↵ ), **TAB** (⇥), or **PRINT** key. The information entered will be printed between the margins* and the centring command will be cancelled.

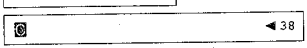
*When the indent function is in operation, centring is performed between the indented position and the right margin.

### Between Tab Stops

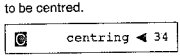
1 TAB (⇥) Press the **TAB** (⇥) key to position the carriage at the left side tab position of the column you want to centre in.

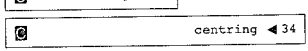
2 CODE + C (CENTRE) Press the **CODE + C** keys to move the carriage to the centre of the tab stops. The display will show "C".




3 Enter the information to be centred. The typed characters will appear on the display.



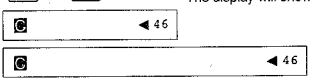




4 RETURN ( ↵ ) / TAB (⇥) / PRINT ON/OFF Press the **RETURN** ( ↵ ), **TAB** (⇥), or **PRINT** key. The information entered will be printed between the tab stops and the centring command will be cancelled.

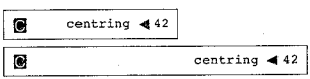
## Over a Specified Point

**1** SPACE BAR — Press the **SPACE BAR** to move the carriage to the desired position.

**2** CODE + C (CENTRE) — Press the **CODE** + **C** keys.
The display will show "C".




**3** Enter the information to be centred. — The characters will appear on the display.




**4** RETURN (↵) / TAB (→|) / PRINT ON/OFF — Press the **RETURN** (↵), **TAB** (→|), or **PRINT** key.
The information entered will be printed and the centring command will be cancelled.

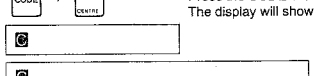
## Auto Half Space

You can automatically correct a word within memory with one that has one character more or any amount of characters less than the original word.

**1** Locate the carriage on the error.

**2** CANCEL (⊗) / QUICK ERASE — Press the **CANCEL** (⊗) or **QUICK ERASE** key to delete the incorrect characters.

**3** CODE + C (CENTRE) — Press the **CODE** + **C** keys to activate the auto half space.
The display will show "C".




**4** Type the correct characters.

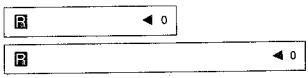
**5** RETURN (↵) / TAB (→|) / PRINT ON/OFF — Press the **RETURN** (↵), **TAB** (→|), or **PRINT** key.
The characters entered will be printed.

## L Right Margin Flush

This command instructs the unit to print the information with the last character of each line aligned at the right margin.

**1** CODE + R (R/JUST)

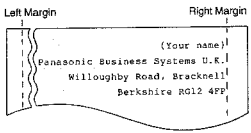
Press the **CODE** + **R** keys to move the carriage to the right margin.
The display will show "R".




**2** Enter the information.

**3** PRINT ON/OFF / ↵ (# FEED)

Press the **PRINT** key or **RETURN** ( ↵ ) key.
The characters will be printed with the last character right margin flush. The command will then be cancelled.




## M Paragraph Indent

This command provides you with the ability to set a temporary left margin and eliminates the need to position the carriage to an indented location on every line.

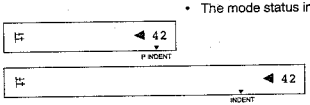
**1** →| (TAB) / SPACE BAR

Press the **TAB** (→|) key or the **SPACE BAR** to move the carriage to the desired indented position.

**2** CODE + I (P INDENT)

Press the **CODE** + **I** keys.
This sets the indented (temporary left margin) position.
The display will show "⊭".

- The mode status indicator for "Paragraph Indent" or "Indent" is displayed.




**3** Type the characters.

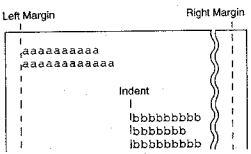
Press the **RETURN** ( ↵ ) key.
The carriage moves to the indented position on the next line.

↵ (# FEED)

**4** Continue typing

**5** CODE + I (P INDENT)

Press the **CODE** + **I** keys again to cancell the command.
The carriage will move to the original left margin when the **RETURN** ( ↵ ) key is pressed.



## N Block Indent (for KX-R196 only)

This is the additional feature for KX-R196.

Block indent automatically indents the right margin in proportion to the left margin. This feature creates a uniform appearance and centres the text between margins.

The temporary margins set with block indent must be more than one inch apart.

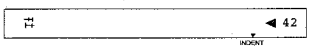
1 SPACE BAR / → TAB

Press the **SPACE BAR** or **TAB** (→) key to move the carriage to the desired indented position.

2 CODE + G (B INDENT)

Press **CODE** + **G** keys to activate the command.
The display will show " ⌗ ".

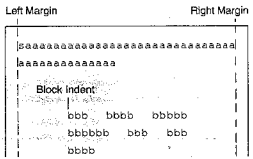
- The mode status indicator for "Block Indent" is displayed.




3 Type the text

4 CODE + G (B INDENT)

Press the **CODE** + **G** keys to deactivate the command.
The carriage will move to the original left margin when the **RETURN** ( ↵ ) key is pressed.




## O Permanent Hyphen

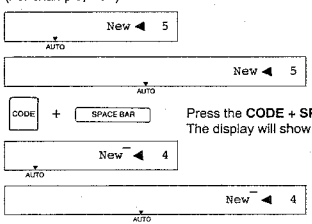
CODE + # -

If you press the **CODE** + **HYPHEN** (-) keys within the "Hot Zone", when the automatic carriage return is activated, the unit will continue printing without generating an automatic return. This coded hyphen is called a "Permanent Hyphen". It is indicated by the symbol "=" on the display and will be printed at the same point every time you print this text.

## P Permanent Space

Since your unit allows you to print with automatic returns or with a justified margin, there may be times you do not want to separate characters or words. The unit allows you to set a "Permanent Space" between characters and will not separate them when printing with variable line lengths.

1 Type the first word.
(For exampie, New)

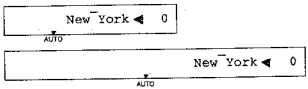



2 CODE + SPACE BAR

Press the **CODE** + **SPACE BAR**.
The display will show " ‾ ".

**3** Type the second word.
(For example, York)

When the characters are printed, the unit will recognise the two words as one and will not separate them.




## Q Caps Lock



Use Caps Lock to set the unit for typing capital letters, lower case numbers, punctuation marks and symbols. In this mode, the **SHIFT** ( ) key will call for opposite characters to be entered.

**1** CODE + LOCK CAPS (•) — comes on

Press the **CODE** + **LOCK** ( ) keys.
The shift indicator will come on and the caps lock mode is activated.

**2** Type the text.

**3** CODE + LOCK CAPS (•) — goes off

Press the **CODE** + **LOCK** ( ) keys again to cancell the command.
The shift indicator will go off and the caps lock mode will be cancelled.

## R Micro Spacing

CODE + J MICRO SP

Press the **CODE** + **J** keys.
The carriage moves 1/60 inch.
You may use this function to "squeeze" characters together.
In the "L/L" and "JSTFY" mode, the symbol "---" will appear on the display.

## S Half Space

CODE + H HALF SP

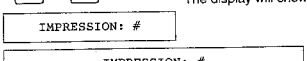
Pressing the **CODE** + **H** keys reduces the normal carriage spacing by one half to the right.
In the "L/L" and "JSTFY" mode, the symbol "--" will appear on the display.

## T Typing Impression Control

This controls the impact of the printed characters. Select the impression level that is most suited for your needs. Each time **CODE** + **L** keys are pressed, the typing impression level will change. A typing impression level of 1, 2 or 3 can be selected.

CODE + L IMPRESS

Press the **CODE** + **L** keys.
The display will show "IMPRESSION: #".




(#: desired number.)

* "IMPRESSION: 1" is softer than "IMPRESSION: 3".
* At first, try "IMPRESSION: 1" and if you feel the impression is too soft, try "IMPRESSION: 2" or "IMPRESSION: 3".

## U Page End (For KX-R196 only)

A page end command enables you to tell the typewriter how many lines you want per page. The Page End command can be set while in typewriter mode or memory mode. You can change the setting or turn it off and on at your convenience.

### To Set the Page End

1 CODE + ↵ RETURN — Automatically insert your paper.

2 CODE + D PAGE END — Press **CODE** + **D** keys.
The display will show "PAGE END Y/N?".

```
PAGE END Y/N ?
```

3 Y — Press **"Y"** key for Yes.
The display will show "PAGE END = 54".

```
PAGE END = 54
```

4 ⌫ TEXT CLR — Press **CANCEL** ( ⌫ ) key twice to erase the current page end setting.

5 Type the desired number of lines (maximum 99).

6 ↵ RETURN — Press **RETURN** ( ↵ ) key.

### Deactivating Page End

1 CODE + D PAGE END — Press **CODE** + **D** keys.
The display will show "PAGE END Y/N?".

```
PAGE END Y/N ?
```

2 N NON-ASMC — Press **"N"** for No.
The page end command is deactivated.

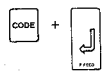
## V. Typing with a Page End (For KX-R196 only)

When you reach the last line of a page end setting, the keyboard will lock and the display will prompt:

```
PAGE END!
```

### To Continue Typing on a New Page

1 Remove the current paper.

2 


Automatically insert a new sheet of paper.

3 Continue typing.

### To Continue Typing on the Same Page

1


Press the **CANCEL** ( ⊠ ) key before typing each additional line.

- You may also deactivate the page end feature.

# 2-2 AUTO COLUMN

This function is used to make a table (ruled form). You can set between 2 and 12 columns and it will automatically centre them between the left and right margins.

**1** [AUTO COLUMN]

Press the **AUTO COLUMN** key.
The display will show "AUTO COLUMN".

```
AUTO COLUMN
```

```
AUTO COLUMN
```

After one second, the display will show "HOW MANY? 2-12" or "HOW MANY COLUMNS? 2-12".

```
HOW MANY? 2-12
```

```
HOW MANY COLUMNS? 2-12
```

**2** Enter the required number.

Enter the required number of columns.
For example, enter 4. The display will then show the number of columns and the maximum number of characters per column.

```
4 COL. [MAX 12]
```

```
4 COLUMNS [MAX 12 CHR.]
```

If you want to change the number, press the **CANCEL** ( ⌫ ) key and then enter the new number.

**3** [↵]

Press the **RETURN** ( ↵ ) key.
First, a line of the designated width will be typed. Next, the display will show "HEADING Y/N?" or "INPUT HEADING Y/N?".
("HEADING" means "Age", "N", "Smoker", "Non smoker" in the example on page 32.)

```
HEADING Y/N?
```

```
INPUT HEADING Y/N?
```

**4** [Y] / [N RENAME]

Press the **"Y"** key to type a heading.
Press the **"N"** key not to type a heading and go to step 9.

```
1:
```

```
1:
```

**5** Type the heading for the first column.

```
1:          Age
```

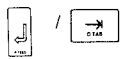
```
1:                    Age
```

**6** Press the **RETURN** ( ↵ ) or **TAB** (→|) key.
The first column's heading will be printed at the centre of the column and display will show "2:".

```
2:
```

```
2:
```

**7** Repeat steps 5 and 6.

 When the **RETURN** ( ↵ ) or **TAB** (→|) key is pressed after entering the heading of the last column, the display will show "HEADING Y/N?" or "INPUT HEADING Y/N?".

```
HEADING Y/N?
```

```
INPUT HEADING Y/N?
```

**8** Pressing the **"Y"** key will allow you to enter an additional line to each column's heading.
Repeat steps 5 and 6 for each column.
Press the **"N"** key if you wish to begin entering each column's data. A line equal to the width of the table will be typed beneath the headings, and the display will show "INPUT DATA".

```
INPUT DATA
```

```
INPUT DATA
```

After one second, the display will show "1:".

```
1:
```

```
1:
```

**9** Type the data for each column.

```
1:      Twenties
```

```
1:                    Twenties
```

**10** Press the **RETURN** ( ↵ ) or **TAB** (→|) key.
The data for the first column will be printed in the centre of the column.

**11** Repeat steps 9 and 10 and type all of the data.

12 AUTO COLUMN

Press the **AUTO COLUMN** key.
A line indicating the end of the table will be typed, the display will show "END" or "AUTO COLUMN END".

```
END
```

```
AUTO COLUMN END
```

Centring is performed in each column.
However, if numerical data is typed, a decimal point will take priority.

2

| Age | N. | Smoker | Nonsmoker |
|---|---|---|---|
| Twenties | 1,772 | 20. | 70 |
| Thirties | 2,012 | 37.1 | 62.9 |
| Forties | 1,928 | 35.5 | 64.5 |
| Fifties | 1,846 | 30.5 | 69.5 |

The maximum width of one column is equal to 14 characters. Consequently, if there are only a small number of columns, the table will appear at the center of the page without extending to the margins.
In each column, a maximum of 12 characters can be printed. The number of characters is 2 characters less than the column width. If this number of characters is exceeded, the buzzer will sound and further input will not be accepted.
If the margin is too small to print characters, the buzzer will sound and the display will show.

```
CHECK WIDTH!!
```

```
CHECK MARGIN WIDTH!!
```

Print-out will be prevented. In this case, select the number of columns again or reset the margin width.
Accu-Spell or Accu-Spell Plus can be performed in the Auto Column Mode. Misspelled words will not be printed even if the **RETURN** ( ↵ ) key is pressed again.
To perform left flush in a column, type the data and then hold the space bar down until the buzzer sounds. When the **TAB** (→) or **RETURN** ( ↵ ) key is pressed, the data will be printed left flush.

* While performing this function, do not change the pitch selector.

# 3-1 MEMORY

Your typewriter has an internal memory of 9,000 characters (KX-R194) or 12,000 characters (KX-R196) which you can use to store phrases, texts or address list to be recalled as you wish.

**The memory can be accessed in three different ways.**

The first is what is referred to as **"Phrase Memory"**, where you have quick access to the memory for storing commonly used phrases, addresses or paragraphs.
The second function is called **"Text Memory"**, which is used for lengthy documents or projects requiring editing or repetitive printing.
The third function is called **"Address List Memory"**, which is used for merging names, address and phone numbers or for printing them.
When your typewriter has reached the maximum storage capacity, the buzzer will sound every time a key is pressed and the display will indicate the following:

```
MEMORY FULL!
```

```
MEMORY FULL!
```

At this time, you will be required to delete portions of the memory, which are no longer needed to continue with your current project.
Deletion of memory contents will be discussed later in this manual.



# 3-2 PHRASE MEMORY

This typewriter will allow you to store up to twenty (20) separates phrases, which can be used for storing short blocks of data such as dates, names and addresses, standard paragraphs, signature blocks, etc. Remember, the length of each phrase is limited by the total availabie memory of your typewriter.

**Phrase Memory will accept;**

**Bold** **Underline**
**Centring** **Right Margin Flush**

**Phrase Memory will not accept;**

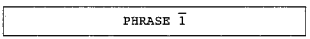
**Tab** **Decimal Tab**
**Paragraph Indent** **Stop Code**
**Block Indent (KX-R196)**
**Page Break (KX-R196)**

## A To Store Information in the Phrase Memory

The way printing is performed depends on the typing mode:
**In the "TPWR" mode;**
As you type, the characters are printed on the paper.
**In the "L/L" or "JSTFY" mode;**
As you type, the characters are shown on the display and each line will be printed after the **RETURN** ( ↵ ) or **PRINT** key is pressed or an **AUTOMATIC RETURN** is performed.

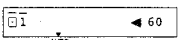
**1** CODE + 1-20 key

Press the **CODE** + 1-20 keys (the desired phrase memory number). For example; 1
The display will show "PHRASE 1".




**2** ↵

Press the **RETURN** ( ↵ ) key.
The display will show the phrase number selected.



**3** Enter the information.

**EXAMPLE:** "The quick brown fox jumps over the lazy dog."

**4** CODE + The selected number ↓

↵

Press the **CODE** + 1-20 keys and then **RETURN** ( ↵ ) key (the number selected in step 1) again to close the phrase block.

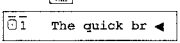
Repeat the above steps for storing information in other phrase memory blocks.

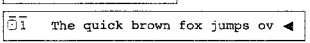
## B To Print from the Phrase Memory

**1** CODE + the desired phrase number ↓

↵

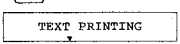
Press the **CODE** + 1-20 keys (desired phrase memory No.) and then **RETURN** ( ↵ ) key.
The stored phrase will appear on the display.

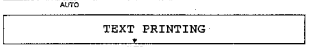



**2** PRINT ON/OFF

Press the **PRINT** key.
The display will show "TEXT PRINTING".



- **In the "TPWR" mode:**
  The stored phrase will be printed continuously until it ends.
- **In the "L/L" or "JSTFY" mode:**
  The stored phrase will be printed continuously as long as each line reaches the right margin, otherwise the line will not be printed until the **PRINT** key or the **RETURN** ( ↵ ) key is pressed.
- Should you want to start printing from any position other than beginning of the phrase, press the "←" or "→" key to move to the first character to be printed and press the **PRINT** key.
- The typewriter will start printing your phrase from the current carriage position.
- When you want to print a phrase with centring or right margin flush, you must insert those codes at the top of the phrase.

## C To Stop Printing in the Middle of a Phrase

**1** [PRINT ON/OFF]

Press the **PRINT** key to stop printing.
The display will show "CONTINUE Y/N?".

```
CONTINUE Y/N?
        AUTO
```

```
CONTINUE Y/N?
        AUTO
```

**2** [Y] (continue)

[N REMAIN] (exit)

**To continue printing:**
Press the **"Y"** key.
**To exit the printing command:**
Press the **"N"** key.
Pressing the **CODE** + **RELOC** keys clears the **PRINT** command and moves the carriage to the beginning of the phrase.

## D To Modify a Phrase

**EXAMPLE:** Change the word "brown" to "yellow".

**1** [CODE] + the phrase number

[↵ RETURN]

Press the **CODE** + 1-20 keys (memory number of a phrase to be modified) and then **RETURN** ( ↵ ) key.
The stored phrase will appear on the display.

```
01 The quick br ◄
```

```
01 The quick brown fox jumps ov ◄
```

**2** [←] / [→]

Press the "→" or "←" key to position the last character of the word to be deleted to the left of the indicator arrow.

```
he quick brown ◄
```

```
01 The quick brown ◄
```

**3** [⌫ TEXT CLR] / [QUICK ERASE LINE]

Press the **CANCEL** (⌫) or **QUICK ERASE** key to delete the word.

```
1 The quick◀
```

```
1 The quick◀
```

**4** Type the new word.

```
e quick yellow◀
```

```
1 The quick yellow◀
```

**5** [CODE] + Selected phrase number

After your corrections have been made, press the **CODE** + 1-20 keys (phrase number entered in step 1) and then **RETURN** (↵) key.
This instructs the unit to close your modified phrase.

- If the part to be modified is located toward the end of the phrase, press the **RELOC** key to position yourself at the end of the phrase.
  To return to the beginning of the phrase, press the **CODE** + **RELOC** keys.
- When modifying a phrase, additional information will not be printed on the paper.

3

## E To Scroll through Phrase Memory

There are several ways of locating characters within a phrase to make additions, deletions or corrections.
Two of these ways are called "scrolling".

**(A)** [CODE] + [→]

Pressing the **CODE** + → keys allows you to scroll forward through the first few characters of each line.

**(B)** [CODE] + [←]

Pressing **CODE** + ← keys allows you to scroll backward through the first few characters of each line.

You can also use this function to scroll through text memory.

## F Direct Search to a Particular Point

**1** [CODE] + the phrase number ↓ [↵ RTN]

Press the **CODE** + 1-20 keys (memory number of a phrase to be searched) and then **RETURN** (↵) key.
The stored phrase will appear on the display.

```
1 The quick ye◀
```

```
1 The quick yellow fox jumps o◀
```

**2** [CODE] + [RELOC EXP]

Press the **CODE** + **RELOC** keys to move to the beginning of the phrase.

```
1◀
```

```
1◀
```

**3** CODE + S (SEARCH)

Press the **CODE** + **S** keys.
The display will show "S-WD=" or "SEARCH-WD=".

```
S-WD=
```

```
SEARCH-WD=
```

**4** Enter the word(s) you are searching for.
(For example, type "dog")

```
S-WD=          dog
```

```
SEARCH-WD=                dog
```

**5** ↵ (RETURN)

Press the **RETURN** ( ↵ ) key.
On the display, the last character you entered in the search command will be positioned to the left of the indicator arrow "◀".

```
r the lazy dog ◀
```

```
ow fox jumps over the lazy dog ◀
```

- If the word is not found in the phrase, the display will show:

```
NOT FOUND!!
```

```
NOT FOUND!!
```

- To locate a second position of the entered word within the phrase, press the **CODE** + **O** keys.

## G To Clear a Phrase from Memory

**1** CODE + the phrase number ↵ (RETURN)

Press the **CODE** + 1-20 keys (memory numbers of a phrase to be cleared) and then **RETURN** ( ↵ ) key.
The stored phrase will appear on the display.

```
1 The quick ye ◀
```

```
1 The quick yellow fox jumps o ◀
```

**2** CODE + ⊠ (TEXT CLR)

Press the **CODE** + **CANCEL** ( ⊠ ) keys.
The display show "CLEAR PHR. Y/N?" or "CLEAR THIS PHRASE Y/N?".

```
CLEAR PHR. Y/N?
```

```
CLEAR THIS PHRASE Y/N?
```

**3** Y / N (PERSONAL)

Press the **"Y"** key for yes.

Press the **"N"** key for no.

# 3-3 TEXT MEMORY

The text memory allows you to enter documents which would require revisions, repetitive print-out, insertion of variable information or width changes. With this memory you may store documents that are either short or lengthy. You can also enter special functions such as tab, decimal tab, and indent commands as well as centring, bold print, and underlining.

1 [TEXT IN/OUT]

**Press the TEXT key.**
The display on your typewriter will ask "IN/EDIT/LIST?" or "TEXT IN/EDIT/LIST?".

```
IN/EDIT/LIST?
```

```
TEXT IN/EDIT/LIST?
```

2 [I F.INDENT]

**Press the "I" key when you are;**
- creating the initial text
- continuing (adding) to the end of the text.

[E]

**Press the "E" key when you are;**
- recalling a text for modification
- recalling a text to print it
- listing the text names in memory on the display
- deleting a text from memory
- renaming a text

[L IMPRESSO]

**Press the "L" key when you are;**
- requesting a printed list of text names in memory

## A To Store Information in the Text Memory

1 [TEXT IN/OUT]

Press the **TEXT** key.
The display will show "IN/EDIT/LIST?" or "TEXT IN/EDIT/LIST?".

```
IN/EDIT/LIST?
```

```
TEXT IN/EDIT/LIST?
```

2 [I F.INDENT]

Since you are entering information into the text memory.
Press the "I" key. The display will show "TEXT=" or "TEXT NAME=".

```
TEXT=
```

```
TEXT NAME=
```

3 Enter the text name. (maximum 10 characters)

Name the text as you wish (For example, "TEST 1").

```
TEXT=      TEST 1
```

```
TEXT NAME=                TEST 1
```

**4** RETURN

Press the **RETURN** ( ↵ ) key.
The display will show the symbol "T" and the number of characters you have available on the writing line.

**5** Enter the information

**EXAMPLE:** "The quick brown fox jumps over the lazy dog."

- The way the text is printed depends on the typing mode:
  **In the "TPWR" mode:**
  As you type, the characters are printed on the paper with an automatic return.
  **In the "L/L" or "JSTFY" mode:**
  As you type, the characters are shown on the display and each line will be printed after the **RETURN** ( ↵ ), **PRINT**, or **TAB** (→) key is pressed or **AUTOMATIC RETURN** is performed.

**6** TEXT IN/OUT

When finished, press the **TEXT** key again to store the information and close the text .

- The carriage will move to the left margin when the text is closed.

3

When entering the text names, all characters will appear in capital letters no matter how you type them.

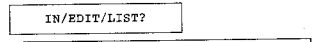
A minimum storage capacity of 47 bytes (characters) is necessary to store a text.

Always press the **TEXT** key before leaving the text memory mode. Switching the power off will not automatically close a text, and loss of the contents of that text will occur.

## B To Add to an Existing Text

**1** TEXT IN/OUT

Press the **TEXT** key.
The display will show "IN/EDIT/LIST?" or "TEXT IN/EDIT/LIST?".




**2** I (INSERT)

Press the "I" key.
The display will show "TEXT=" or "TEXT NAME=".

**3** Enter the text name to be recalled.

**4**

Press the **RETURN** ( ↵ ) key.
The display will show "CONT. TEXT Y/N?" or "CONTINUE TEXT Y/N?".

```
CONT. TEXT Y/N?
```

```
CONTINUE TEXT Y/N?
```

**5** [Y] / [N RENAME]

Press the **"Y"** key.

Press the **"N"** key to go back to step 2.

**6** Continue typing

This positions you at the end of the text.
Continue typing as you did while storing.

> * You cannot scroll backwards through the text at this time, using the ← key, etc. You may only continue where you left off.

**7** [TEXT IN/OUT]

Press the **TEXT** key again to store the added information and close the text.

## C To Print a Text from Memory

You have entered your document into memory and now want to print it.

**1** [TEXT IN/OUT]

Press the **TEXT** key.
The display will show "IN/EDIT/LIST?" or "TEXT IN/EDIT/LIST?".

```
IN/EDIT/LIST?
```

```
TEXT IN/EDIT/LIST?
```

**2** [E]

Press the **"E"** key.
The display will show "TEXT=" or "TEXT NAME=".

```
TEXT=
```

```
TEXT NAME=
```

**3** Enter the name of the text to be printed.

- If you don't remember the text name, press the → key, the first text stored in memory will be recalled and the display will show its name.
  Press the → key to display the next text, or the ← key to display the previous one.

**4**

Press the **RETURN** ( ↵ ) key.
The display will show "MAR CURR/STOR?" or "MARGIN CURRENT/STORED?".

```
MAR CURR/STOR?
```

```
MARGIN CURRENT/STORED?
```

If the margin format you want to use is:
- The current format, press the **"C"** key.
- The format used when the text was stored last, press the **"S"** key.

The display will show "T (Text Name) ⊞ ".

```
T (Text Name)⊞
```

```
T (Text Name)⊞
```

**5**

Press the **PRINT** key.
The unit will start printing.
The display will show "TEXT PRINTING".

```
TEXT PRINTING
AUTO
```

```
TEXT PRINTING
AUTO
```

## D To Stop Printing in the Middle of a Text

**1** During printing.

Press the **PRINT** key during printing.
The display will show "CONTINUE Y/N?".

```
CONTINUE Y/N?
AUTO
```

```
CONTINUE Y/N?
AUTO
```

**If you want to continue printing the text:**
Press the **"Y"** key.
**If you want to exit the printing mode:**
Press the **"N"** key.
Your typewriter will resume printing from the point on the line where it stopped.
- If you want to reprint from the beginning of the text:
  Press the **CODE + RELOC** keys to return to the beginning of the text.
  Press the **PRINT** key.
  Your typewriter will start printing from the beginning of the text.

## E To Print from a Particular Point

1 Recall the text.

Refer to "To Print a Text from Memory" on pp. 40-41.

2 → / CODE + →

Press the → key or the **CODE** + → keys to locate the desired starting point.
Refer to "To Scroll through Phrase Memory" on p.36.

3 ← / CODE + ←

Press the ←, or **CODE** + ← keys until the first character to be printed disappears behind the indicator arrow (◄).

4 PRINT ON/OFF

Press the **PRINT** key to start printing.

*The Word Search function (see p.44) will help you to locate the desired word(s) easily.

## F Printing with a Page End in the Text Memory (For KX-R196 only)

KX-R196 enables you to set the page end command while in typewriter mode or memory mode. Refer to the "Page End" section of the BASIC OPERATIONS to set the page end. When you activate the page end feature and reach the last line of page end setting while printing a text from memory, the keyboard will lock and the display will prompt:

```
PAGE END!
```

3

### To Continue Printing on a New Page

1 Remove the current paper.

2 CODE + ↵

Automatically insert a new sheet of paper.

3 PRINT ON/OFF

Press the **PRINT** key to continue.

### To Continue Printing on the Same Page

1 ⊗ TEXT CLR

Press the **CANCEL** (⊗) key before printing each additional line.
You may also deactivate the page end feature.

## G Inserting a Manual Page Break in Text Memory (For KX-R196 only)

You can enter a page break anywhere within text memory. **CODE** + **Z** is used in memory to force a page break. After a **CODE** + **Z** command in memory, the printing will pause so you can insert a new sheet of paper, and press **PRINT** to continue. Remember, you may still use the Page End command (**CODE** + **D**) for consistent page breaks.

### To Insert a Manual Page break When Creating a Text

1 CODE + Z P.BREAK

Press **CODE** + **Z** at the end of the page.
The dispaly will show "PAGE END!".

```
PAGE END!
```

2 Remove the current paper.

**3** CODE + ↵ RTURN — Automatically insert a new sheet of paper.

**4** Continue typing your next page of text.

## To Insert a Manual Page Break When Modifying a Text

**1** CODE + Z P BREAK — Press **CODE** + **Z** at the end of a page.
The symbol "➧" appears on the display.

**2** Continue modifying your next page of text.

## H To Modify a Text

**1** TEXT IN/OUT — Press the **TEXT** key.
The display will show "IN/EDIT/LIST?" or "TEXT IN/EDIT/LIST?".

```
IN/EDIT/LIST?
```

```
TEXT IN/EDIT/LIST?
```

**2** E — Press the **"E"** key.
The display will show "TEXT=" or "TEXT NAME=".

```
TEXT=
```

```
TEXT NAME=
```

**3** Enter the name of the text to be modified.

**4** ↵ RTURN ➡ C CENTRE / S SEARCH — Press the **RETURN** ( ↵ ) key.
The display will show "MAR CURR/STOR?" or "MARGIN CURRENT/STORED?".

```
MAR CURR/STOR?
```

```
MARGIN CURRENT/STORED?
```

- If you wish to use the current margin setting (format), press the **"C"** key.
  To use the same format as when the text was stored (if different from the current format), press the **"S"** key.
  The display show the symbol "T" and the text name followed by the symbol "⊞◄" indicating you are at the beginning of the text.

```
T (Text Name)⊞◄
```

```
T (Text Name)⊞◄
```

**5** ← / →

Press the → or the ← key to position the last character of the word or phrase to be deleted to the left of the indicator arrow.

**6** ⌫ TEXT CLR — Type the new characters.

Press the **CANCEL** (⌫) key to delete the characters and type the new characters.

**7** TEXT INPUT/OUT

Press the **TEXT** key again to store the modified information and close the text.

## 1 Word Search

As you have done in the phrase memory, you can locate the word to be corrected directly within a text.

**1** Recall the text.

Refer to "To Modify a Text" on p.43.

**2** CODE + S SEARCH

*Press the* **CODE + S** *keys.*
The display will show "S–WD=" or "SEARCH–WD=".

```
S-WD=
```

```
SEARCH-WD=
```

**3** Enter the word or words you are searching for.

Searching for particular characters.To search for a return mark, press the **CODE + RETURN** ( ↵ ) keys.

- To search for the start mark of the **BOLD** or **UNDERLINE** function, press the **CODE + B** keys for **BOLD** or **CODE + U** or **CODE + W** keys for **UNDERLINE.**
- To search for an end mark of the **BOLD** or **UNDERLINE** function, press the **CODE + B** keys twice for **BOLD** or **CODE + U** or **CODE + W** keys twice for **UNDERLINE.**

**4** ↵ RETURN

Press the **RETURN** ( ↵ ) key.
The display will show the word(s) you entered in the Search Command just left of the indicator arrow (◀).
When the entered word is not included in the text, the display will show.

```
NOT FOUND!!
```

```
NOT FOUND!!
```

**5** If necessary, modify the word.

Press the ← key or the → key to move to the desired position, and press the **CANCEL** (⌫) key to modify.

**6** CODE + O NEXT

To locate the second occurrence of the entered word within the text, press the **CODE + O** keys.

## J Word Replace

There may be times when certain words (such as titles or names) appear very often in a document, and need to be changed.
The typewriter can replace words wherever they appear in the text.

**1** Recall the text.

Refer to "To Modify a Text" on p.43.

**2** CODE + X (REPLACE)

Press the **CODE + X** keys.
The display will show "S–WD=" or "SEARCH–WD=".

```
S-WD=
```

```
SEARCH-WD=
```

**3** Enter the word you want to replace.

Press the **RETURN** ( ↵ ) key.
The display will show "C–WD=" or "CHANGE–WD".

```
C-WD=
```

```
CHANGE-WD=
```

If the word entered is not in the text, the display will show "NOT FOUND!!" for one second and cancell the word replace command.

```
NOT FOUND!!
```

```
NOT FOUND!!
```

Only a word or words, with the following symbols in front of and behind, can be searched for.

- SPACE, CODE + H, CODE + SPACE, CODE + J
- UNDER LINE
- TAB (→)
- DEC TAB
- BOLD, UNDERLINE MARK
- INDENT
- CENTRING
- RIGHT MARGIN FLUSH
- ( ↵ ) CODE + RETURN
- STOP CODE
- BLOCK MARK
- PAGE BREAK (KX-R196)

**4** Enter the word or words you want to insert.

Press the **RETURN** ( ↵ ) key.
The display will show "CHANGING".

- You can enter the maximum of (10 characters for KX-R194, 20 characters for KX-R196) word.

```
CHANGING
```

```
CHANGING
```

After the changes have been made throughout the text, the display will show the last position in the text where your change was made.

- To enter the start code for the **BOLD** or **UNDERLINE** function, press the **CODE** + **B**, **CODE** + **U** or **CODE** + **W** keys respectively.
- To enter the end code for the **BOLD** or **UNDERLINE** function, press the **CODE** + **B**, **CODE** + **U** or **CODE** + **W** keys twice respectively.

## 3 K To Insert a Phrase into Text Memory

Your typewriter allows you to recall phrases stored in the phrase memory and insert them into the text memory.

**1** Recall your text.

Refer to "To Modify a Text" on p.43.

**2** CODE + S (SEARCH)

Press the **CODE** + **S** keys.
The display will show "S–WD=" or "SEARCH–WD".

```
S-WD=
```

```
SEARCH-WD=
```

**3** Enter the word.

Enter the word preceding the point at which the phrase is to be inserted.

**4**

Press the **RETURN** ( ↵ ) key.
The display will show the word(s) entered in the search command just left of the indicator arrow (◀).

**5** CODE + the phrase No. to be inserted.

Press the **CODE** + 1-20 keys (The phrase No. to be inserted) and then **RETURN** ( ↵ ) key.
The display will show "COPY PHR. Y/N?" or "COPY THIS PHRASE Y/N?".

```
COPY PHR. Y/N?
```

```
COPY THIS PHRASE Y/N?
```

**6** Y / N (RENAME)

Press the **"Y"** key if you want the phrase copied into the text.

- If you do not want it copied into the text, press the **"N"** key.

# L Block Move, Copy and Delete

When the need to move, copy or delete a sentence or a paragraph arises, the typewriter can do it simply and automatically.

## Mark a Block

**1** Recall your text.

Refer to "To Modify a Text" on p.43.
The display shows you are at the beginning of the text.

**2** Search the beginning of the block.

Press the →, **CODE** + →, **CODE** + **S**, ←, or **CODE** + ← keys to move the first character of the block to be moved, copied or deleted until it disappears behind the indicator arrow (◄).

**3** CODE + M BLOCK

Press the **CODE** + **M** keys.
The display will show a rectangular (□) symbol just left of the indicator arrow, which indicates the beginning of a move, copy, or delete command.

```
T x jumps over □◄
```

```
T quick yellow fox jumps over □◄
```

**4** Search the end of the block.

Press the →, **CODE** + →, **CODE** + **S**, ←, or **CODE** + ← keys to position the last character of the block to be moved, copied, or deleted to the left of the indicator arrow (◄).

**5** CODE + M BLOCK

Press the **CODE** + **M** keys again.
A second rectangle will appear on the Display indicating end of move, copy, or delete command (□).

```
T the lazy dog □◄
```

```
T fox jumps over the lazy dog □◄
```

## To Move the Information Block

**1** Mark the block.

Refer to "Mark a Block" on this page.

**2** Locate the new position.

Move to the position where you want to insert the information block which you have just marked, using the →, ←, **CODE** + →, or **CODE** + ← keys.

```
T true, but if◄
```

```
T lazy dog . It is true, but if◄
```

**3** CODE + M BLOCK

Press the **CODE** + **M** keys.
The display will show "MOVE/COPY/DEL?" or "MOVE/COPY/DELETE?".

```
MOVE/COPY/DEL?
```

```
MOVE/COPY/DELETE?
```

4 [M BLOCK] Press the **"M"** key to delete the words inside the marks and move them to the new position.

```
T the lazy dog◀
```

```
T  is true, but if the lazy dog◀
```

## To Copy the Information Block

1 Mark the block. Refer to "Mark a Block" on p.47.

2 Locate the position. Move the position where you want to copy the information block. (Refer to "To Move the Information Block" on p.47.)

3 [CODE] + [M BLOCK] Press the **CODE** + **M** keys. The display will show "MOVE/COPY/DEL?" or "MOVE/COPY/DELETE?".

```
MOVE/COPY/DEL?
```

```
MOVE/COPY/DELETE?
```

4 [C CENTRE] Press the **"C"** keys to copy the information block at the new position.

## To Delete the Information Block

1 Mark the block. Refer to "Mark a Block" on p.47.

2 [CODE] + [M BLOCK] Press the **CODE** + **M** keys. The display will show "MOVE/COPY/DEL?" or "MOVE/COPY/DELETE?".

```
MOVE/COPY/DEL?
```

```
MOVE/COPY/DELETE?
```

3 [D PAGE END] Press the **"D"** key to delete the information block.

```
T ox jumps over◀
```

```
T e quick yellow fox jumps over◀
```

## M To Insert or Append a Text into Another Text

**1** Recall the text you wish to insert/append into.

Refer to "To Modify a Text" on p.43.
The display will show you are at the beginning of the text.

**2** [→] / [CODE] + [→]
[CODE] + [S SEARCH]
[←] / [CODE] + [←]

Press the →, **CODE** + →, **CODE** + **S**, ←, or **CODE** + ← keys to move to the position where you want to insert another text.

**3** [CODE] + [T APPEND]

Press the **CODE** + **T** keys.
The display will show "COPY=" or "TEXT TO COPY=".

```
COPY=
```

```
TEXT TO COPY=
```

**4** Enter the text name you want inserted/appended into the current text.
(maximum 10 characters)

**5** [↵ RETURN]

Press the **RETURN** ( ↵ ) key.
The Display will show the last position of the inserted/appended text.

## N To Rename a Text

**1** Recall the text.

Refer to "To Modify a Text" on p.43.
The display will indicate the beginning of the text.

**2** [CODE] + [N RENAME]

Press the **"CODE + N"** key.
The display will show "NEW=" or "NEW NAME=".

```
NEW=
```

```
NEW NAME=
```

**3** Enter the new name.
(maximum 10 characters)

**4** [↵ RETURN]

Press the **RETURN** ( ↵ ) key.
- If the name you just entered is already being used, the display will show "ALREADY EXISTS".

```
ALREADY EXISTS
```

```
ALREADY EXISTS
```

**5** [TEXT IN/OUT]

Press the **TEXT** key to close the text.

Your text is now renamed. In the future, the new text name should be used because the original is no longer in memory.

## O To List Texts on the Display

There may be times when you need to know the names of the texts which are stored in memory.

1 [TEXT IN/OUT]

Press the **TEXT** key.
The display will show "IN/EDIT/LIST?" or "TEXT IN/EDIT/LIST?".

```
IN/EDIT/LIST?
```

```
TEXT IN/EDIT/LIST?
```

2 [E]

Press the "**E**" key.
The display will show "TEXT=" or "TEXT NAME=".

```
TEXT=
```

```
TEXT NAME=
```

3 [→] / [←]

Press the → key to begin listing the text names on the display.
Your display will show the name of the first text which you have in memory.

- Continue pressing the → key to scroll forward through the remaining text names.
- Press the ← key to scroll backward through then text names.
- When you have reached the last text in memory, your typewriter will beep to indicate "End of Memory".
- To select a text to edit or print, press the **RETURN** ( ↵ ) key when the correct text name is displayed.

4 [TEXT IN/OUT]

Press the **TEXT** key to exit from the text listing mode.

## P To Print the Text Listing

1 [TEXT IN/OUT]

Press the **TEXT** key.
The display will show "IN/EDIT/LIST?" or "TEXT IN/EDIT/LIST?".

```
IN/EDIT/LIST?
```

```
TEXT IN/EDIT/LIST?
```

2 [L IMPRESS]

Press the "**L**" key.
The display will show "PRINTING".
The names of the texts in memory will be printed on the paper.

- The amount of available memory will also be printed.

```
PRINTING
        ▼
       AUTO
```

```
PRINTING
        ▼
       AUTO
```

## Q Memory Left

CODE + Q (QUANTITY)

Occasionally you will want to know how much memory is available before entering a new text.
Press the **CODE** + **Q** keys. The display will show the number of characters available for one second.

```
MEM LEFT ####
```

```
MEMORY LEFT #####
```

(#: characters availabie)

## R To Clear a Text from Memory

When you no longer need a particular text, or need the space to enter a new text, you can delete an old text from memory.

**1** Recall the text.

Refer to "To Modify a Text" on p.43.

**2** CODE + ⊗ (TEXT CLR)

Press the **CODE** + **CANCEL** (⊗) keys.
The display will show "CLEAR TEXT Y/N?" or "CLEAR THIS TEXT Y/N?".

```
CLEAR TEXT Y/N?
```

```
CLEAR THIS TEXT Y/N?
```

**3** Y / N (RENAME)

Press the **"Y"** key to delete the text from memory.

- If you want to exit from this mode without deleting the text, press the **"N"** key.

## S To Change the Margin Format in the Text

This typewriter allows you to change the margin format in the text memory to the current margin format.

**1** Recall the text.
C (CENTRL)

Refer to "To Modify a text" on p.43.
Press the **"C"** key to choose the current margin format.

**2** CODE + F (CHG FORM)

Press the **CODE** + **F** keys.
The display will show "CHG FORM Y/N?" or "CHANGE FORMAT Y/N?".

```
CHG FORM Y/N?
```

```
CHANGE FORMAT Y/N?
```

**3** Y / N (RENAME)

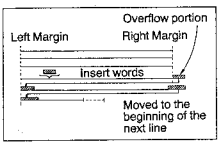
Press the **"Y"** key to store the current margin format in the text.
Press the **"N"** key, if you do not want to change the format.

**4** TEXT IN/OUT

Press the **"TEXT"** key to store the text.

## T Word-Wrap

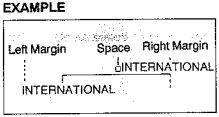
Word-Wrap means that a word exceeding the right hand margin, or falls within the hat zone, will be shifted automatically to the beginning of the next line.




The function starts from the space before the last word which would overflow the right margin. After the insertion of a new word, the last word will be moved to the beginning of the next line.
Word-Wrap will occur within the sentences of each paragraph.

Spaces which fall at the left margin after carriage return with Word-Wrap will be eliminated and printing of the recorded characters will start at the left margin.

**EXAMPLE**




3

# 3-4 APPLICATION

## A Stop Code

You may have to type a letter and send it to several different people. Each letter must be personalised and have specific but different information inserted into the body of the text. These different bits of information are referred to as "variables".
Your typewriter will allow you to enter a text and instruct it to stop printing at a particular point so that you may insert the variable within the body of the letter.
This code "to stop printing and insert variables" is called a Stop Code.

### To Store a Text with Stop Codes

1 Create the new text.

Perform the 1-4 of "To Store Information in the Text Memory" on pp.38-39.

2 Begin typing the document.

3 CODE + P STOP

When you are at the position within the text where you want to insert variable information:
Press the **CODE + P** keys.
The display will show "STOP CODE SET" or "STOP CODE WAS SET".

```
STOP CODE SET
```

```
STOP CODE WAS SET
```

4 Continue typing.

When your typewriter Mode selector is set to the "L/L" or "JSTFY", the symbol "S" appears on the display at the position where the stop codes will be inserted. Continue entering the stop codes following the above procedure for all locations where the variables will be inserted.

5 TEXT IN/OUT

When you have completed entering the text, press the **TEXT** key again to store the stop codes and close your text.

## To Print a Text with Stop Codes

**1** Recall the text.

Perform steps 1-4 of "To Print a Text from Memory" on pp.40-41 to recall the text.

**2** PRINT ON/OFF

Press the **PRINT** key to print to the point where the first stop code was set. The display will show "STOP CODE".

```
STOP CODE
```

```
STOP CODE
```

In the "L/L" or "JSTFY" mode, this message will be displayed for about one second, then the symbol "S" appears on the display at the position where the stop code was set.

**3** Enter variable.

Enter your variable which will be inserted in the first position by typing it or recalling it from the phrase memory. (**CODE** + 1-20 and then **RETURN** (↵) key.)

**4** PRINT ON/OFF

Press the **PRINT** key to resume printing.

- Continue inserting the variables until you have completed the text.

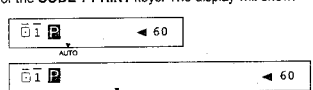
3

## B To Store Information with No Print

This typewriter allows you to store phrase and texts with the NO PRINT feature. By using this feature you can store information without printing them on the paper.

**When storing in the phrase memory:**

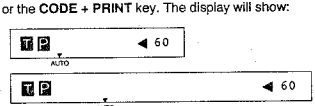
- Perform step 1 of "To Store Information in the Phrase Memory" on p.34.
- Press the **PRINT** key or the **CODE** + **PRINT** keys. The display will show:




- Perform steps 2-3 of "To Store Information in the Phrase Memory" on p.34.

**When storing in the text memory:**

- Perform steps 1-4 of "To Store Information in the Text Memory" on pp.38-39.
- Press the **PRINT** key or the **CODE** + **PRINT** key. The display will show:




- Perform steps 5-6 of "To Store Information in the Text Memory" on pp.38-39.
  When you use the **PRINT** key, the carriage will move corresponding to the typing mode selector. When you use the **CODE** + **PRINT** keys, the carriage will not move.

# 3-5 ADDRESS LIST MEMORY

This typewriter will allow you to store up to 50 separate records. A record consists of three terms; a name, an address and a phone number.
*Remember, the length of each record is limited by the total available memory of your typewriter.*

**Address List Memory will accept;**

**Bold** **Underline**

**Address List Memory will not accept;**

| | | |
|---|---|---|
| **Centring** | **Right Margin Flush** | **Block Indent (KX-R196)** |
| **Tab** | **Decimal Tabulation** | **Page End (KX-R196)** |
| **Paragraph Indent** | **Stop Code** | **Page Break (KX-R196)** |

1 [ADDRESS LIST]

Press the **ADDRESS LIST** key.
The display will show "ADDRESS LIST".

```
ADDRESS LIST
```

```
ADDRESS LIST
```

After one second, "IN/EDIT/LIST?".

```
IN/EDIT/LIST?
```

```
IN/EDIT/LIST?
```

2 [I]

**Press the "I" key when you are:**
- creating the initial record

[E]

**Press the "E" key when you are:**
- recalling a record for modification
- recalling a record to print it
- deleting a record from memory

[L]

**Press the "L" key when you are:**
- printing all stored records

## A To Store Information in the Address List Memory

**1**

Press the **ADDRESS LIST** key.
The display will show "ADDRESS LIST".

```
ADDRESS LIST
```


```
ADDRESS LIST
```


After one second, "IN/EDIT/LIST?".

```
IN/EDIT/LIST?
```


```
IN/EDIT/LIST?
```


**2**

To create an address list, press the **"I"** key.
The display will show "NAME= ⊞◀1".
- The symbol "⊞" indicates you are at the beginning of the term.

```
NAME =          ⊞◀1
```


```
NAME =          ⊞◀1
```


**3** Type the information.

Type the information to be stored, but do not exceed 200 characters.
If you attempt to enter more than 200 characters, the display shows "TERM TOO LONG".

```
TERM TOO LONG
```


```
TERM TOO LONG
```


- If you want to sort the records according to each last name, press the **CODE** + **M** keys between the first name and the last name of each "NAME" term. The display will show a rectangular (▯) symbol.

**4**

Press the **INDEX** (↓) key to move the next term.
The display will show "ADDR.= ⊞◀1".
- The symbol "⊞" indicates you are at the beginning of the term.

```
ADDR.=          ⊞◀1
```


```
ADDR.=          ⊞◀1
```


**5** Type the information. (maximum 200 characters)

Type the information to be stored.

**6**

Press the **INDEX** (↓) key to move the next term.
The display will show "PHONE= ⊞◀1".
- The symbol "⊞" indicates you are not at the beginning of the term.

```
PHONE=          ⊞◀1
```


```
PHONE=          ⊞◀1
```


**7** Type the information. (maximum 200 characters)

Type the information to be stored.

**8** CODE + →

To store additional records, press the **CODE** + → keys to move the next records and repeat the above steps 3-7.

- You can store a maximum of 50 records. If you attempt to enter more than 50 records, the display will show:

```
MANY RECORDS!
```

```
TOO MANY RECORDS!
```

**9** ADDRESS LIST

Press the **ADDRESS LIST** key to end the function.
The display will show "ADDR. LIST END" or "ADDRESS LIST END".

```
ADDR. LIST END
```

```
ADDRESS LIST END
```

- The records you have stored will be filed in alphabetical order by the first character of the "NAME" term.
- When you enter a "NAME" term using the **CODE** + **M** keys (outlined in step 3) each record will be stored in ascending character set order (see page 73) according to the first character after the sort rectangle (□). This means that spaces and numeric characters will appear prior to alphabet characters.

3

To practice the exercises in this manual, please enter the following names and addresses. Store the records alphabetically by last name using the **CODE** + **M** keys sequence where indicated.

CODE + M

NAME: Mrs. Monica Simpson
ADDRESS: 29 Hicks Street ↵
New York, N.Y. 10004
PHONE: 123-456-7890

CODE + M

NAME: Mr. Paul Smith
ADDRESS: 1985 Harrison Road ↵
Ridgefield Park, N.J. 07660
PHONE: 483-591-6720

CODE + M

NAME: Mrs. Alicia Pritchett
ADDRESS: 131 Ascan Avenue ↵
Summit, N.J. 07091
PHONE: 852-963-7410

CODE + M

NAME: Mr. David Keath ↵
General Manager
ADDRESS: 234 Ocean Blvd. ↵
East Harwich, M.A. 02645
PHONE: 158-942-6370
(↵: Press the **RETURN** (↵) key.)

## B To Add to an Existing Address List

**1** ADDRESS LIST

Press the **ADDRESS LIST** key.
The display will show "ADDRESS LIST".

```
ADDRESS LIST
```

```
ADDRESS LIST
```

After one second, "IN/EDIT/LIST?".

```
IN/EDIT/LIST?
```

```
IN/EDIT/LIST?
```

**2** I

Press the **"I"** key.
The display will show "NAME= ⊞◀5".
- The symbol "⊞" indicates you are at the beginning of the term.

```
NAME =          ⊞◀5
```

```
NAME =                    ⊞◀5
```

**3** Store the additional information.

Perform steps 3-9 of "To Store Information in the Address List Memory" on pp.55-56 to store the additional information.



## C To Scroll through Address List Memory

There are two ways of locating records within the address list to make additions, deletions or corrections. They are called "scrolling". (In edit mode.)

**(A)** CODE + →

Pressing the **CODE** + → keys allows you to scroll forward to the next record.
After the last record in memory has been displayed, the message "BOTTOM OF LIST" will appear on the display for one second.

```
BOTTOM OF LIST
```

```
BOTTOM OF LIST
```

**(B)** CODE + ←

Pressing the **CODE** + ← keys allows you to scroll backward to the previous record.
After the first record in memory has been displayed, the message "TOP OF LIST" will appear on the display for one second.

```
TOP OF LIST
```

```
TOP OF LIST
```

## D To Modify a Record

If you want to modify a record, do the following.

**1** ADDRESS LIST

Press the **ADDRESS LIST** key.
The display will show "ADDRESS LIST".

```
ADDRESS LIST
```

```
ADDRESS LIST
```

After one second, "IN/EDIT/LIST?".

```
IN/EDIT/LIST?
```

```
IN/EDIT/LIST?
```

**2** E

Press the **"E"** key.
The name of the first record in alphabetical order will be shown on the display.

```
NAME =⊞Mr. Dav◀1
```

```
NAME =⊞Mr. David Keath↵Genera◀1
```

- If there are no records stored in memory, the display will show:

```
NO RECORDS
```

```
NO RECORDS
```

**3** ← / →

Press the ← or → key to position the character to be deleted to the left of the indicator arrow "◀".

```
NAME = vid Kea◀1
```

```
NAME =          ⊞Mr. David Kea◀1
```

**4** CANCEL (TEXT CLR)

Press the **CANCEL** ( ⊗ ) key to delete the character.

```
NAME = avid Ke◀1
```

```
NAME =          ⊞Mr. David Ke◀1
```

**5** Type.

Type the new character.

```
NAME = vid Kei◀1
```

```
NAME =          ⊞Mr. David Kei◀1
```

**6** ADDRESS LIST

After your corrections have been made, press the **ADDRESS LIST** key.

- If the characters to be modified are located toward the end of the current term, press the **RELOC** key to position yourself at the end of the term.
- If the characters to be modified are located toward the beginning of the current term, press the **CODE + RELOC** key to position yourself at the beginning of the term.
- If the characters to be modified are located in another term, press the **INDEX** ( ↓ ) key to move to another term.
- If the characters to be modified are located in the next record, press the **CODE + →** keys to move the next record.
- If the characters to be modified are located in the previous record, press the **CODE + ←** keys to move to the previous record.
- If the "NAME" term is blank, you can not move to another term. The display will show "ENTER DATA". You must enter required information for the "NAME" term.

```
ENTER DATA
```

```
ENTER DATA
```

## E Name Search

3

You can search directly to the "NAME" term of the record to be modified or printed.

**1** Open the Address List.

Perform the step 1-2 of "To Modify a Record" on pp.58-59 to open the address list.

**2** CODE + S SEARCH

Press the **CODE + S** keys.
The display will show "S-NM=" or "SEARCH NAME=".

```
S-NM=
```

```
SEARCH NAME=
```

**3** Enter the character(s).

Enter the character(s) (a maximum of 10 characters) you are searching for. (for example, type "Simpson")

```
S-NM=    Simpson
```

```
SEARCH NAME=          Simpson
```

**4** RETURN

Press the **RETURN** ( ↵ ) key.
Your typewriter will search each "NAME" term of the character(s).
The display will show the "NAME" term of the found record.

```
NAME =Mrs. Mo◀3
```

```
NAME =  Mrs. Monica Simpson◀3
```

- If the characters are not in the list, the display will show.

```
NOT FOUND!!
```

```
NOT FOUND!!
```

**5** Modify or print the record if necessary.

**6** CODE + O (NEXT)

To locate the next occurrence of the entered character(s) within the address list, press the **CODE** + **O** keys.

## F To Print from the Address List Memory

**1** Open the address list.

Perform the steps 1-2 of "To Modify a Record" on pp.58-59 to open the address list.
The first name in the list will appear on the display.

**2** CODE + ← (◄)

CODE + → (►)

CODE + S (SEARCH)

Press the **CODE** + **←**, **CODE** + **→** or **CODE** + **S** keys to locate the record you want to print.

**3** PRINT ON/OFF

Press the **PRINT** key.
The display will show "PHONE NO. Y/N?" or "PRINT PHONE NO. Y/N?".

```
PHONE NO. Y/N?
```

```
PRINT PHONE NO. Y/N?
```

- Press the **SPACE BAR** or the **←** key to move the carriage to the desired printing position.
- Should you want to change the vertical position of the paper, use the platen knob.
- Press the **"Y"** key to print the phone number as well as the name and address.
- Press the **"N"** key to print only the name and address.

Y / N (RENAME)

The display will show "PRINTING".

```
PRINTING
```

```
PRINTING
```

- The typewriter will start printing your record from the current carriage position.
- After printing the display will show the "NAME" term of the current record.

* Do not change the pitch while the typewriter is printing.

## G To Stop Printing in the Middle of the Record

**1** During printing.

Press the **PRINT** key during printing.
The display will show "CONTINUE Y/N?".

```
CONTINUE Y/N?
```

```
CONTINUE Y/N?
```

**2** Y / N (RENAME)

If you want to continue printing the record, press the **"Y"** key.
If you want to exit the printing mode, press the **"N"** key.
Your typewriter will resume printing from the point on the line where it stopped.

- The display will then show the "NAME" term of the current record.

## H To Print All of the Records

1 ADDRESS LIST

Press the **ADDRESS LIST** key.
The display will show "ADDRESS LIST".

```
ADDRESS LIST
```


```
ADDRESS LIST
```


After one second, "IN/EDIT/LIST?".

```
IN/EDIT/LIST?
```


```
IN/EDIT/LIST?
```


2 L IMPRESS

- Press the **"L"** key.
  The display will show "PRINTING".

```
PRINTING
```


```
PRINTING
```


The typewriter will automatically print all of records according to the following format independent of the current margin format.

| Pitch | Name | Space | Address & Phone |
|---|---|---|---|
| 10 | 25chr. | 5 | 35chr. |
| 12 | 30chr. | 6 | 42chr. |
| 15 | 37chr. | 8 | 52chr. |

If the Address List contains more than 50 lines, the typewriter stops after printing a record including 50th line and then the message "CONTINUE Y/N?" will be displayed.

```
CONTINUE Y/N?
```


```
CONTINUE Y/N?
```


Y / N RENAME

**To continue printing;**
Insert a new sheet of paper and press the **"Y"** key.

**To stop printing;**
Press the **"N"** key.
The display will show the following message and after one second the typewriter will exit address list mode.

```
ADDR. LIST END
```


```
ADDRESS LIST END
```


When printing has finished, the following message is displayed on the display, and then the typewriter will exit the address list mode.

```
ADDR. LIST END
```


```
ADDRESS LIST END
```

## 1 To Print a Record on an Envelope

**1** [ADDRESS LIST]

Press the **ADDRESS LIST** key.
The display will show "ADDRESS LIST".

```
ADDRESS LIST
```

```
ADDRESS LIST
```

After one second, "IN/EDIT/LIST?".

```
IN/EDIT/LIST?
```

```
IN/EDIT/LIST?
```

**2** [E]

Press the **"E"** key.
The name of the first record will be shown on the display.

```
NAME =Mr. Dav ◀1
```

```
NAME =Mr. David Keith↵Genera ◀1
```

**3** [CODE] + [S SEARCH]

Press the **CODE + S** keys to search for return address name. (For example, Simpson)

```
S-NM=     Simpson
```

```
SEARCH NAME=                Simpson
```

**4** [↵ RETURN]

Press the **RETURN** ( ↵ ) key.

```
NAME =Mrs. Mo ◀3
```

```
NAME =  Mrs. Monica Simpson ◀3
```

**5** [PRINT ON/OFF]

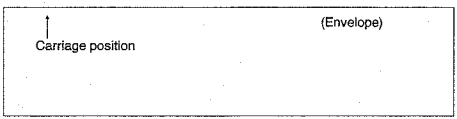
Press the **PRINT** key.
The display will show "PHONE NO. Y/N?" or "PRINT PHONE NO. Y/N?".

```
PHONE NO. Y/N?
```

```
PRINT PHONE NO. Y/N?
```

Move the carriage to the desired printing position.

- Press the **SPACE BAR** or ← key to move the carriage to the desired printing position.
- Change the vertical position of the paper using the platen knob.



**6** [N RENAME]

Press the **"N"** key.
The display will show "PRINTING".
- After printing, the display will show the "NAME" term of the current record.

```
PRINTING
```

```
PRINTING
```

**7** [CODE] + [S SEARCH] ⇒ Type.

Press the **CODE** + **S** keys to search for the mailing address name. (For example, David)

```
S-NM=          David
```

```
SEARCH NAME=                    David
```

**8** [↵ TAB]

Press the **RETURN** ( ↵ ) key.

```
NAME =Mr. Dav◀1
```

```
NAME =Mr. David Keith↵Genera◀1
```

**9** [PRINT ON/OFF]

Press the **PRINT** key.
The display will show "PHONE NO. Y/N?" or "PRINT PHONE NO. Y/N?".

```
PHONE NO. Y/N?
```

```
PRINT PHONE NO. Y/N?
```

- Press the **SPACE BAR** or the ← key to move the carriage to the desired printing position.
- Change the vertical position of the paper using the platen knob.

Move the carriage to the desired printing position.

```
Mrs. Monica Simpson
29 Hicks Street
New York, N.Y. 10004

                          ↑
                    Carriage position
```

**10** [N RENAME]

Press the **"N"** key.
The display will show "PRINTING".

```
PRINTING
```

```
PRINTING
```

```
Mrs. Monica Simpson
29 Hicks Street
New York, N.Y. 10004

                          Mr. David Keith
                          General Manager
                          234 Ocean Blvd.
                          East Harwich M.A. 02645
```

- After printing, the display will show the "NAME" term of the current record.

**11** ADDRESS LIST — Press the **ADDRESS LIST** key.

## J To Delete a Record from Memory

When you no longer need a particular record, or need the space to enter a new record, you can delete an old record from memory as follows.

**1** ADDRESS LIST → **E** — Perform the step 1-2 of "To Modify a Record" on pp.58-59 to recall your record.

**2** CODE + ← ; CODE + → ; CODE + **S** (SEARCH) — Press the **CODE** + ←, **CODE** + → or **CODE** + **S** keys to locate the record to be deleted.

**3** CODE + ⊠ (TEXT CLR) — Press the **CODE** + **CANCEL** ( ⊠ ) keys.
The display will show "DELETE Y/N?" or "DELETE THIS RECORDS Y/N?".

```
DELETE Y/N?
```

```
DELETE THIS RECORDS Y/N?
```

**4** **Y** / **N** (RE&ME) — Press the **"Y"** key to delete the record from memory.

- If you want to exit from this mode without deleting the record, press the **"N"** key.
- After deleting a record, the display will show the "NAME" term of the next record.
- If you delete the last record, the display will show the "NAME" term of the previous record.
- After deleting all of the records, the display will show.

```
NO RECORDS
```

```
NO RECORDS
```

after one second,

```
IN/EDIT/LIST?
```

```
IN/EDIT/LIST?
```

# 4-1 ACCU-SPELL™ FOR KX-R194 (Spell Verifying Feature)

When you misspell a word, Accu-Spell informs you by means of an indication on the display and a buzzer. The typed words are checked by the dictionary, which contains about 60,000 words. Accu-Spell is a trademark of the Spell Verify Function in the U.S.A.

> Accu-Spell operates when you make an input from your keyboard.
> It does not work when a text is printing.

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International CorrectSpell™ is an HMCo trademark.

## A Turning Accu-Spell ON/OFF

CODE + + ¥ = €

When you press the **CODE** + = keys the mode status indicator for "Accu-Spell" will be displayed and Accu-Spell will be activated.
Press the **CODE** + = keys again to deactivate Accu-Spell.

## B Accu-Spell Operation

**1** CODE + + ¥ = €

Press the **CODE** + = keys.
The mode status indicator for "Accu-Spell" will be displayed.

**2** Type as usual.

While Accu-Spell is activated, type as usual.

**3** SPACE BAR / ↵ RETURN

When you end a word (by pressing the **SPACE BAR** or **RETURN** (↵) key, etc.), it will be checked.

- If the word is not contained in the dictionary, the typewriter will judge it to be a misspelled word, the buzzer will sound, and the word will flash on the display.
- If the word is found in the dictionary, the buzzer will not sound and display will remain unchanged.
- If the **RETURN** (↵) key is pressed immediately after typing a misspelled word, the buzzer will sound but the word will not flash on the display. (Except in text edit mode.)

**4** Correct the misspelled word.
The correct word will be checked again.

### Word Endings

Accu-Spell checks a word only when it has been completed.
The unit judges that a word has been completed when you perform one of the following operations:

- when you press the **SPACE BAR** after a word
- when you press the **RETURN** (↵) key
- when you press a function key to move the carriage [**TAB** (→), **SPACE BAR**, etc.]
- when you perform Right Margin Flush

When you enter a character after entering a hyphen at the end of a line, the automatic return is performed and the word will be connected to the beginning of the next line, and will be spell verified as a single word.

Accu-Spell checks spelling according to the following rules.

- Numbers and symbols are also treated as a word. For example, "etc" is treated as a mistake while "etc." is judged correct.
- Symbols before and after a word such as " " (quotation mark) and ? (question mark) are first removed from the word before it is spell verified. for example, "Great!!" is judged correct, but "Gleat!!" is judged incorrect.
- Some punctuation errors are detected. For example, "word:)" is judged as an error and the buzzer will sound two times.
- Some errors of apostrophe are detected. For example, "now's" and "at's" will be judged incorrect.
- A word consisting of several words joined by hyphen, such as "mother-in-law", is spell verified as a single compound word.
- Accu-Spell takes into account the difference between capital letters and small letters.
  If you type "check, Check, CHECK", all of these words will be judged correct. This is because when a word is at the beginning of a sentence, it starts with a capital letter, while if it is part of a title it consists entirely of capital letters. If, however, you type "CHeck", it will be judged incorrect.
- In the case of words which always begin with a capital letter, such as America, both "America" and "AMERICA" will be judged correct, however "america" will be judged incorrect.

Sometimes the buzzer will sound even if you type a correct word, because the word in not in the dictionary.

## C How to Verify the Spelling of an Entire Text

**1** Recall the text or the phrase number (1-20) to be verified.

While Accu-Spell is activated, press the **TEXT** key, enter the text name and press **RETURN** ( ↵ ) key.

**2** Move the beginning of the text

**3** [CODE] + [V FIND]

Press the **CODE + V** keys.

**4** Each word in the text will be verified.

Each word in the text will be verified from current position sequentially to the end of text.
The display will show "VERIFYING".

```
VERIFYING
          ▼
        SPELL
```

If a word that is not in the dictionary is found, spell verification will be interrupted, the buzzer will sound, and the word will appear as a flashing indication on the display.

**5** [CODE] + [V FIND]

To continue spell verification press the **CODE + V** keys.

In no misspelled words are found in any part of the text, the message "VERIFIED" will appear on the display.

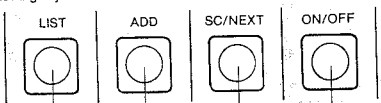
```
VERIFIED
          ▼
        SPELL
```

# 4-2 ACCU-SPELL PLUS™ FOR KX-R196 (Spell Verifying/Correcting Feature)

When you misspell a word, Accu-Spell Plus informs you by means of an indication on the display and a buzzer. By using Accu-Spell Plus function, you can easily replace misspelled words with the correct spelling. The typed words are checked against the standard dictionary, which contains about 60,000 words, and a user's dictionary of up to 100 words.
The user's dictionary can be deleted and changed, and a list of the user's dictionary words can be printed or displayed.

- Accu-Spell Plus™ is a trademark of the Spell Correct Function in the U.S.A.

- The following keys are used as Accu-Spell Plus Function keys.




**LIST Key**
Lists the words registered in the user's dictionary.

**ADD Key**
Adds words to the user's dictionary.

**SC/NEXT Key**
Displays suggested spellings when Accu-Spell Plus judges a word to be spelled incorrectly.

**Accu-Spell Plus ON/OFF Key**
Activates or cancels Accu-Spell Plus.

CODE + V (TRC) ..... Use this operation to check the spelling of an entire text file.

Accu-Spell Plus operates when you make an input from your keyboard.
It does not work when a text is printing or the address list function is activated.

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International CorrectSpell™ is an HMCo trademark.

## A Accu-Spell Plus Operation

**1** ON/OFF

Press the **Accu-Spell Plus ON/OFF** key.
The mode status indicator of "Accu-Spell Plus" will be displayed.

**2** Type as usual.

While Accu-Spell Plus is activated, type as usual.

**3** SPACE BAR / RETURN

When you end a word (by pressing the **SPACE BAR** or **RETURN** ( ↵ ) key, etc.), it will be checked.

- If the word is not contained in either the basic dictionary or the user's dictionary, the typewriter will judge it to be a misspelled word, the buzzer will sound, and the word will flash on the display.
- If the word is found in either the basic dictionary or the user's dictionary, the buzzer will not sound and display will remain unchanged.
- If the **RETURN** ( ↵ ) key is pressed immediately after typing a misspelled word, the buzzer will sound but the word will not flash on the display. (Except in text edit mode.)

**4** SC/NEXT

Press the **SC/NEXT** key.
The display will show "SEARCHING FOR ALTERNATIVES".

```
SEARCHING FOR ALTERNATIVES
          ▼
        SPELL
```

- A correctly spelled word will show on the display.
  If it is not the desired word, press the **SC/NEXT** key again to display the next suggestion.
  Repeat the above operation until the desired word is displayed. You can also call the previous or next suggestion by pressing the ← or → key.
  If the correct word to be replaced cannot be found, the display will show:

```
NO MORE ALTERNATIVES
          ▼
        SPELL
```

In this case, press the **CANCEL** ( ⊗ ) key and use the ordinary correction method.

**5** RETURN

When the desired word is displayed, press the **RETURN** ( ↵ ) key.
The misspelled word will be replaced with correct one.

- You can correct the misspelled word while it is flashing.
- If the length of the correct word is different from the misspelled word in the "TPWR" mode, the misspelled word and the following characters are deleted and reprinted.
- If the word to be inserted is longer than the misspelled word, causing the line to go past the right limit margin, the display will show:

```
WORD TOO LONG
      ▼
    SPELL
```

- If no suggestion is found when the **SC/NEXT** key is pressed, the display will show:

```
NO ALTERNATIVES
      ▼
    SPELL
```

## Word Endings

Accu-Spell Plus checks a word when it has been completed.
The typewriter judges that a word has been completed when you perform one of the following operations:

- when you press the **SPACE BAR** after a word
- when you press the **RETURN** ( ↵ ) key
- when you press a function key to move the carriage [**TAB** (→|), **SPACE BAR**, etc.]
- when you perform right margin flush

When you enter a character after entering a hyphen at the end of a line, the automatic return is performed and the word will be connected to the beginning of the next line, and will be spell verified as a single word.

Accu-Spell Plus checks spelling according to the following rules.

- Numbers and symbols are also treated as a word. For example, "etc" is treated as a mistake while "etc." is judged correct.
- Symbols before and after a word such as " " (quotation mark) and ? (question mark) are first removed from the word before it is spell verified. for example, "Great!!" is judged correct, but "Gleat!!" is judged incorrect.
- Some punctuation errors are detected. For example, "word:)" is judged as an error and the buzzer will sound two times.
- Some errors of apostrophe are detected. For example, "now's" and "at's" will be judged incorrect.
- A word consisting of several words joined by hyphen, such as "mother-in-law", is spell verified as a single compound word.

- Accu-Spell takes into account the difference between capital letters and small letters.
  If you type "check, Check, CHECK", all of these words will be judged correct. This is because when a word is at the beginning of a sentence, it starts with a capital letter, while if it is part of a title it consists entirely of capital letters. If, however, you type "CHeck", it will be judged incorrect.
- In the case of words which always begin with a capital letter, such as America, both "America" and "AMERICA" will be judged correct, however "america" will be judged incorrect.

Sometimes the buzzer will sound even if you type a correct word, because the word is not in the basic dictionary. If you only use the word occasionally, you can ignore the buzzer and continue typing. If you use the word fairly frequently, it is a good idea to add it to the user's dictionary.

## B How to Verify/Correct the Spelling of an Entire Text

**1** Recall the text or the phrase number (1-20) to be verified.

While Accu-Spell Plus is activated, press the **TEXT** key, enter the text name or the phrase number (1-20) to be verified, and press the **RETURN** ( ↵ ) key.

**2** Move the beginning of the phrase or text operation.

**3** [CODE] + [V FIND]

Press the **CODE** + **V** keys.

**4** Each word in the text will be verified.

Each word in the text will be verified from the indicator arrow position sequentially to the end of text.
The display will show "VERIFYING".

```
VERIFYING
    ▼
  SPELL
```

If a word that is not in the dictionary is found, spell verification will be interrupted, the buzzer will sound, and the word will appear as a flashing indication on the display.

**5** SC/NEXT → RETURN

Correct the misspelled words by pressing the **SC/NEXT** key and **RETURN** ( ↵ ) key.

**6** CODE + V FIND

To continue spell verification press the **CODE** + **V** keys.

If no misspelled words are found in any part of the text or the phrases, the message "VERIFIED" will appear on the display, and the indicator arrow position remains unchanged.

```
VERIFIED
▼
SPELL
```

## C How to Add Words to the User's Dictionary

**1** Enter the word to be added.

**2** ADD

Press the **ADD** key.

**3**

The word will be registered in the user's dictionary.
The display will show "ADDED".

```
ADDED
▼
SPELL
```

- You can add a word by pressing the **ADD** key immediately after the check.
- You can also add a word by first moving the carriage to the desired word and then press the **ADD** key.
- You can also add words which include numbers and symbols. At least two alphabet characters should be included for registration. Otherwise, the display will show:

```
NOT ACCEPTED
▼
SPELL
```

- If there is no room in the user's dictionary memory to add the word, the buzzer will sound, the display will show:

```
DICTIONARY FULL!
▼
SPELL
```

In this case, you must first delete a word or words already registered in order to add the new word.

- If the word which you want to add is already contained in the basic dictionary or the user's dictionary, the display will show:

```
ALREADY EXISTS
▼
SPELL
```

- You can add a word up to a maximum of 30 characters long. If you attempt to add a word of more than 30 characters, the display will show:

```
WORD TOO LONG
▼
SPELL
```

## D How to List or Delete the Words in the User's Dictionary

### How to Display or Delete the Contents of the User's Dictionary

**1** LIST

Press the **LIST** key.
The first word in the user's dictionary will appear on the display.

**2** → / ←

Each time you press the → key or the ← key, the next or the previous word will be displayed in alphabetical order.

- You can see the contents of the user's dictionary from any point only by entering the capital letter you want to display from.
- By pressing the **CANCEL** ( ⌫ ) key, the word displayed will be deleted. The display will show:

```
DELETED
▼
SPELL
```

- If there is no word in the user's dictionary, the display will show:

```
DICTIONARY EMPTY!
▼
SPELL
```

**3**

After the last word in the user's dictionary has been displayed, the display will show "LIST MODE END".

```
LIST MODE END
▼
SPELL
```

### How to Exit the List Mode (Display)

LIST

While in the list mode, press the **LIST** key.

### How to Print the Contents of the User's Dictionary

**1** PRINT ON/OFF

While in the list mode, press the **PRINT** key. Printing will start from the current word.

**2** PRINT ON/OFF (If you want to stop printing.)

If you want to stop printing, press the **PRINT** key. After the present line has been printed, printing will temporarily stop.

**3** PRINT ON/OFF (Printing will start again.)

By pressing the **PRINT** key once again, printing will start.

**4**

After the last word in the user's dictionary has been printed, the display will show "LIST MODE END".

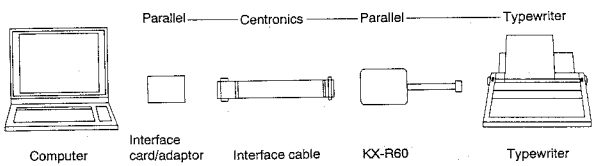
```
LIST MODE END
▼
SPELL
```

# 5-1 USE AS A PRINTER (with KX-R60)

The use this unit as a printer, the following must be purchased separately.
- KX-R60 (Interface Adaptor), optional
- Inferface cable
- Interface card (if necessary for your computer)

## A Connection to a Computer

This unit has a connector that is designed to receive data from the Panasonic KX-R60 Interface Adaptor.
In turn, the KX-R60 connects to the computer (or to its external interface adaptor).
This typewriter can be used as a printer to print data from a computer that is equipped with a parallel (Centronics) interface.




- If your computer is not equipped with a Centronics parallel interface, then you will need to purchase one for your computer.
- Proceed with the connections before pressing the **CODE** + **E** keys.

Before connecting the computer, refer to the operating instructions for the KX-R60 and your computer.

## B Operation

1 [CODE] + [E]

Press the **CODE** + **E** keys.
The display will show "ON LINE" or "EXTERNAL MODE: ON LINE".

```
ON LINE
```

```
EXTERNAL MODE: ON LINE
```

2 [PRINT ON/OFF]

To stop printing temporarily, press the **PRINT** key of the typewriter.
The display will show "OFF LINE" or "EXTERNAL MODE: OFF LINE".

```
OFF LINE
```

```
EXTERNAL MODE: OFF LINE
```

- Press the **PRINT** key again to resume printing.
- While data is being received by the interface adaptor, the carriage automatically returns when it reaches the right margin. The paper advances one line and printing continues.
- When the **PRINT** key is pressed, printing will stop after the current line has been printed.

3 [CODE] + [E]

Press the **CODE** + **E** keys to exit the interface mode.

## Character Set

Every computer has a set of letters, numbers, and symbols that it can display. This is called its "character set". Every printer also has a character set, that is, the numbers, letters, and symbols that it can print.
Unfortunately, these character sets do not match perfectly from computer to computer or printer to printer. Fortunately, enough of the characters do match so that you can print English sentences and, of course, numerals. The characters that don't match are usually the foreign character accents and other special symbols.

| Lower \ Upper | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | A | B | C | D | E | F |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | | | SP | 0 | @ | P | | p | | | | | | | | |
| 1 | | ' | ! | 1 | A | Q | a | q | | | | | | | | |
| 2 | | | " | 2 | B | R | b | r | | | | | | | | |
| 3 | | | £ | 3 | C | S | c | s | | | | | | | | |
| 4 | | | $ | 4 | D | T | d | t | | | | | | | | |
| 5 | | | % | 5 | E | U | e | u | | | | | | | | |
| 6 | | | & | 6 | F | V | f | v | | | | | | | | ÷ |
| 7 | | | ' | 7 | G | W | g | w | | | | | | | | |
| 8 | BS | | ( | 8 | H | X | h | x | | | | | | | | ° |
| 9 | HT | | ) | 9 | I | Y | i | y | | | | | | | | |
| A | LF | SUB | * | : | J | Z | j | z | | | | | | | | |
| B | | ESC | + | ; | K | [ | k | | | ¢ | ½ | | | | | |
| C | | | , | < | L | | l | | | £ | ¼ | | | | | |
| D | CR | | – | = | M | ] | m | | | ¥ | | | | | | [3] |
| E | | | . | > | N | | n | | | | | | | | | |
| F | | | / | ? | O | _ | o | | | | | | | | | |

(SP=Space)

*[3], #; Impossible to receive.

## Control Codes

| Symbol | Code | Operation |
|---|---|---|
| BS | 08H | Back Space |
| HT | 09H | Tabulation |
| LF | 0AH | Line Feed |
| CR | 0DH | Carriage Return |
| ESC | 1BH | Special functions in combination with the following code |

Expansion Function

ESC + "B" . . . . . (1BH + 42H) . . . . . Bold ON/OFF

ESC + "L" . . . . . (1BH + 4CH) . . . . . Underline ON/OFF

ESC + "U" . . . . . (1BH + 55H) . . . . . Forward Half line feed

ESC + "D" . . . . . (1BH + 44H) . . . . . Reverse Half line feed

ESC + SUB + "I" . . . (1BH + 1AH + 49H) . . Initialise printer

## Auto Line Feed Operation

Automatic Line Feed can be selected by setting the Carriage Return Mode as shown below:

- **Automatic Carriage Return Mode**
  Auto Line Feed ON
- **Manual Carriage Return Mode**
  Auto Line Feed OFF

| Code | Auto Line Feed ON | Auto Line Feed OFF |
|---|---|---|
| CR | Carriage Return, Line Feed | Carriage Return |
| LF | Carriage Return, Line Feed | Line Feed |
| CR+LF | Carriage Return, Line Feed | Carriage Return, Line Feed |
| LF+CR | Carriage Return, Line Feed | Carriage Return, Line Feed |

## Printer Selection

When you use a word processing software, set the printer selection as follows:

| Software | Printer Selection |
|---|---|
| WordPerfect™ 5.1 | Panasonic E7000 |
| *Others | Generic, TTY, Typewriter, etc. |

* Bold and underlining characters are printed as normal characters.
WordPerfect™ is a trademark of WordPerfect Corporation.

# 6-1 LIST OF CODE KEY FUNCTIONS

CODE + A . . . . . sets/releases auto carriage return mode ☞ P.22

CODE + B . . . . . sets/releases BOLD print ☞ P.20

CODE + C . . . . . centres information ☞ P.23, 24

CODE + D (KX-R196) . . . . . page end setting ☞ P.28

CODE + E . . . . . sets the machine to be used as a printer to print data from a computer ☞ P.72

CODE + F . . . . . changes margin format in a text ☞ P.51

CODE + G (KX-R196) . . . . . sets/releases block indent ☞ P.26

CODE + H . . . . . half spacing ☞ P.27

CODE + I . . . . . sets/releases paragraph indent ☞ P.25

CODE + J . . . . . moves the carriage by 1/60 inch (Micro Spacing) ☞ P.27

CODE + K . . . . . initialise the carriage ☞ P.10

CODE + L (LANGUAGE) . . . . . controls the impact of the printed characters ☞ P.27

CODE + M (MARK) . . . . . moves, copies, and deletes an information block in a text ☞ P.47, 48
Sets a separate mark between the first name and the last name in an address list ☞ P.55

CODE + N (NAME) . . . . . renames texts ☞ P.49

CODE + O (NEXT) . . . . . locates next position of the word or the "NAME" term being searched ☞ P.44, 60

CODE + P (STOP) . . . . . sets a stop code in a text ☞ P.52

CODE + Q (MEMORY) . . . . . checks the remaining memory quantity ☞ P.51

CODE + R (RIGHT) . . . . . prints information with the last character on each line aligned at the right margin ☞ P.25

CODE + S (SEARCH) . . . . . searches words in a phrase or a text ☞ P.36, 44
searches only "NAME" terms in an address list ☞ P.59, 60

CODE + T (APPEND) . . . . . inserts or appends a text into another text ☞ P.49

CODE + U (U.L.) . . . . . sets/releases continuous underlining ☞ P.21

CODE + V (INS) . . . . . finds misspellings (in edit mode) ☞ P.66, 69

CODE + W (W.U.L.) . . . . . sets/release word by word underlining ☞ P.21

CODE + X (REPLACE) . . . . . replace words in a phrase or a text ☞ P.45

CODE + Z (PAGE) (KX-R196) . . . . . insert a manual page break ☞ P.42

CODE + 1-20 → (RETURN) . . . . . recalls/stores phrase memory ☞ P.34-37, 46

CODE + ← . . . . . scrolls backward through the first characters of each line in a phrase or a text ☞ P.36 ,42
moves to the "NAME" term of previous record ☞ P.57

CODE + → . . . . . scrolls forward through the first characters of each line in a phrase or a text ☞ P.36 ,42
moves to the "NAME" term of next record ☞ P.57

CODE + ⌫ (BACK SPACE) . . . . . makes correction manually in normal mode/clears phrases, texts or records ☞ P.17, 18, 37, 51, 64

CODE + ⌫ (ERASE LINE) . . . . . erases one line at a time ☞ P.20

CODE + # (HYPHEN) . . . . . permanent hyphen ☞ P.26

CODE + SPACE BAR . . . . . permanent space ☞ P.26

CODE + ⇥ (TAB SET) . . . . . aligns decimal points at the preset tab stops ☞ P.22

CODE + ⇤ (TAB CLEAR) . . . . . clears margins and all tabs ☞ P.14

CODE + ↵ (FIND) . . . . . searches for the return mark while executing the word search command or the word replace command ☞ P.44

insert the paper automatically ☞ P.12 ,28 ,29

CODE + ⇪ (LOCK) . . . . . presets the unit for typing capital letters, lower case numbers, punctuation marks and symbols ☞ P.27

CODE + ½ (½ LINE) . . . . . moves the paper down ½ line ☞ P.16

CODE + (MEMORY) . . . . . stores information without printing or carriage movement ☞ P.53

CODE + (BACK MARGIN) . . . . . moves the carriage to the beginning of the line without line spacing ☞ P.17

CODE + (KX-R194) . . . . . Turns Accu-Spell on/off ☞ P.65

# 6-2 LIST OF DISPLAY MESSAGES

## A For KX-R194

| Message | Description |
|---|---|
| ADDRESS LIST | Address list mode has been selected. |
| ADDR. LIST END | The address list mode is completed. |
| ADDR.= | Enter an address in the address list. |
| ALREADY EXISTS | The entered word has already been added to the user's dictionary. |
| AUTO COLUMN | Auto column mode has been selected. |
| BOTTOM OF LIST | The end of the address list has been reached. |
| C-WD= | Enter the word or words you want to insert. |
| CHANGING | The machine is changing words. |
| CHG FORM Y/N? | Do you want to change the margin format stored in the text? |
| CHECK PRINTER! | Something is wrong with the printer.Check the typewriter. |
| CHECK WIDTH!! | The margin setting is too narrow. Check the margin width. |
| CLEAR PHR. Y/N? | Do you want to clear this phrase from memory? |
| CLEAR TEXT Y/N? | Do you want to clear this text from memory? |
| CODE | **CODE** key has been pressed. |
| ## COL. [MAX ##] | Indicates the number of columns and the maximum number of characters. |
| CONT. TEXT Y/N? | Do you want to continue typing the text? |
| CONTINUE Y/N? | Do you want to continue printing? |
| COPY= | Enter the text name you want to insert/append. |
| COPY PHR. Y/N? | Do you want to add this phrase to the body of the text? |
| DELETE Y/N? | Do you want to clear this record from memory? |
| DELETED | Item has been deleted from memory. |
| END | The auto column mode is completed. |
| ENTER DATA | Enter the name. |
| HEADING Y/N? | Do you want to enter a heading? |
| HOW MANY? 2-12 | How many columns? |
| IMPRESSION: # | Typing impression is changed. |
| IN/EDIT/LIST? | Do you want to enter information; edit information; or print a list? |
| INPUT DATA | Enter each column's data. |
| L.M. SET | The left margin has been set. |
| MANY RECORDS! | You have tried to enter more than the maximum number of records. |
| MAR/TAB CLEAR | Margins and all tabs are cleared. |
| MAR CURR/STOR? | Which margin format do you want to use, the current one or the one you used when storing? |
| MEM LEFT #### | The numeric value represents the number of characters left in memory. |
| MEMORY FULL! | Entire memory capacity has been used. |
| MOVE/COPY/DEL? | Do you want to move the block?; copy the block?; delete the block? |

| Message | Description |
|---|---|
| NAME = | Enter the name. |
| NEW= | Enter the new name for a stored text. |
| NOT FOUND!! | The required word is not within this phrase, text or address list or the text is not in memory.<br>The entered word does not exist in the user's dictionary. |
| NO RECORDS | No records are in the address list. |
| OFF LINE | The machine is not ready to receive data from a computer and stops printing. |
| ON LINE | The machine is ready to receive data from a computer and you can use it as a printer. |
| PHRASE ## | The selected phrase number is being recalled. |
| PHONE= | Enter the phone number. |
| PHONE NO. Y/N? | Do you want to print the phone number? |
| PRINTING | The machine is printing. |
| R.M. SET | The right margin has been set. |
| S-WD= | Enter the information you want to search for or replace. |
| S-NM= | Enter the name you want to search for. |
| STOP CODE | Insert variable information here and press the **PRINT** key to continue text. |
| STOP CODE SET | A stop code has been set. |
| TERM TOO LONG | The entered characters are too long. |
| TAB SET | A tab stop has been set. |
| TAB CLEAR | The unit clears all tab stops. |
| TEXT= | Enter the name of text. |
| TEXT PRINTING | The machine is printing from text or phrase memory. |
| TOO MANY TABS! | You have tried to enter more than the maximum number of tab stops. |
| TOP OF LIST | This position is top of list in the Accu-Spell Mode or record in the Address List Mode. |
| VERIFIED | Verifying is complete. |
| VERIFYING | The machine is verifying. |

| Message | Description |
|---|---|
| ADDED | Word has been added into the user's dictionary. |
| ADDRESS LIST | Address list mode has been selected. |
| ADDRESS LIST END | The address list mode is completed. |
| ADDR.= | Enter an address in the address list. |
| ALREADY EXISTS | The entered word has already been added to the user's dictionary. |
| AUTO COLUMN | Auto column mode has been selected. |
| AUTO COLUMN END | Auto column mode is completed. |
| BOTTOM OF LIST | The end of the address list has been reached. |
| CHANGE FORMAT Y/N? | Do you want to change the margin format stored in the text? |
| CHANGE-WD= | Enter the word or words you want to insert. |
| CHANGING | The machine is changing words. |
| CHECK MARGIN WIDTH!! | The margin setting is too narrow. Check the margin width. |
| CHECK PRINTER! | Something is wrong with the printer. Check the typewriter. |
| CLEAR THIS PHRASE Y/N? | Do you want to clear this phrase from memory? |
| CLEAR THIS TEXT Y/N? | Do you want to clear this text from memory? |
| CODE | **CODE** key has been pressed. |
| ## COLUMNS [MAX ## CHR.] | Indicates the number of columns and the maximum number of characters. |
| CONTINUE TEXT Y/N? | Do you want to continue typing the text? |
| CONTINUE Y/N? | Do you want to continue printing? |
| COPY THIS PHRASE Y/N? | Do you want to add this phrase to the body of the text? |
| DELETE THIS RECORD Y/N? | Do you want to clear this record from memory? |
| DELETED | Item has been deleted from memory. |
| DICTIONARY EMPTY! | There are no words in the user's dictionary. |
| DICTIONARY FULL! | There is no room in memory in the user's dictionary. |
| ENTER DATA | Enter the name. |
| EXTERNAL MODE: OFF LINE | The machine is not ready to receive data from a computer and stops printing. |
| EXTERNAL MODE: ON LINE | The machine is ready to receive data from a computer and you can use it as a printer. |
| HOW MANY COLUMNS? 2-12 | How many columns? |
| IMPRESSION: # | Typing impression is changed. |
| IN/EDIT/LIST? | Do you want to enter a information; edit information; or print a list? |
| INPUT DATA | Enter each column's data. |
| INPUT HEADING Y/N? | Do you want to enter a heading? |
| LEFT MARGIN WAS SET | The left margin has been set. |
| LIST MODE END | This position is end of the list. |
| MARGINS/ALL TABS WERE CLEAR | Margins and all tabs are cleared. |
| MARGIN CURRENT/STORED? | Which margin format do you want to use, the current one or the one you used when storing? |
| MEMORY FULL! | Entire memory capacity has been used. |
| MEMORY LEFT ##### | The numeric value represents the number of characters left in memory. |
| MOVE/COPY/DELETE? | Do you want to move the block?; copy the block?; delete the block? |

| Message | Description |
|---|---|
| NAME= | Enter the name. |
| NEW NAME= | Enter the new name for a stored text. |
| NO ALTERNATIVES | No alternatives are in the basic and user's dictionary. |
| NO MORE ALTERNATIVES | The basic and user's dictionaries have no more alternatives. |
| NO RECORDS | No records are in the address list. |
| NOT ACCEPTED | The entered word is an error. |
| NOT FOUND!! | The required word is not within this phrase, text or address list or the text is not in memory. The entered word does not exist in the user's dictionary. |
| PAGE END Y/N? | Do you want to set and turn the page end ON (Y), or OFF (N)? |
| PAGE END = ## | Enter the number of lines to print per page. |
| PAGE END! | You have reached the last line of the preset page ending. |
| PHONE= | Enter the phone number. |
| PHRASE ## | The selected phrase number is being recalled. |
| PRINT PHONE NO. Y/N? | Do you want to print the phone number? |
| PRINTING | The machine is printing. |
| RIGHT MARGIN WAS SET | The right margin has been set. |
| SEARCH-WD= | Enter the information you want to search for or replace. |
| SEARCH NAME= | Enter the name you want to search for. |
| SEARCHING FOR ALTERNATIVES | Alternatives is been searching for. |
| STOP CODE | Insert variable information here and press the **PRINT** key to continue text. |
| STOP CODE WAS SET | A stop code has been set. |
| TAB WAS CLEARED | A tab stop has been cleared. |
| TAB WAS SET | A tab stop has been set. |
| TERM TOO LONG | The entered characters are too long. |
| TEXT IN/EDIT/LIST? | Do you want to enter a text; recall a text; or print a list of texts in memory? |
| TEXT NAME= | Enter the name of text. |
| TEXT PRINTING | The machine is printing from text of phrase memory. |
| TEXT TO COPY= | Enter the text name you want to insert/append. |
| TOO MANY RECORDS! | You have tried to enter more than the maximum number of records. |
| TOO MANY TAB STOPS! | You have tried to enter more than the maximum number of tab stops. |
| TOP OF LIST | This position is top of list in the Accu-Spell Plus mode or record in the address list mode. |
| VERIFIED | Verifying is complete. |
| VERIFYING | The machine is verifying. |
| WORD TOO LONG | The entered word is too long (greater than 30 characters). |

# 6-3 OTHERS

## A Troubleshooting

- Check the points below before returning your typewriter for service.

| Symptom | Cause | Remedy/check |
|---|---|---|
| No operation; even when keys are pressed, nothing appears on the display | The **POWER** switch is turned to STANDBY ( ⏻ ) or power cord is unplugged. | Turn **POWER** switch " \| ". Plug in the power cord. |
| | The LCD contrast control is set to low contrast. | Adjust the setting of the LCD contrast control. |
| Unit does not print correctly, or printing is blurred. | Paper release lever is in the release position. | Push lever to the lock position. |
| | End of ribbon cassette or correction tape. | Replace with new ribbon cassette or correction tape. |
| No deletion even with the **CANCEL** (⌧) key; blurred characters. | Correction tape is not installed, or installed incorrectly. | Install correction tape. |
| Buzzer sounds during typing and typing is disabled (keys do not function). | Carriage at right margin. | Press the **RETURN** ( ↵ ) key and move carriage to next line. |
| | | Press the **⇤⇥** key and continue printing on same line. |
| | Text memory is full. | Re-edit the data or cancel the text memory mode. |
| The unit does not operate properly. The error buzzer sounds when typing and/or keys do not function. Text, Phrase and (or) Address List Memory may contain garbled characters. | Noise on the AC line or static electricity may prevent the unit from operating properly. | Turn the **POWER** to STANDBY ( ⏻ ) for a few seconds then "ON" again. If the unit still does not function properly turn the **POWER** to STANDBY ( ⏻ ), press and hold the **CODE + SHIFT** ( ⬚ ) keys and turn the **POWER** switch " \| ". This performs a total reset which clears all memory and margin formats. |

## B Product Service

Should your Panasonic product ever require service, consult your authorised Panasonic dealer for detailed instructions.

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# 6-4 OPTIONAL ACCESSORIES

- Replacement parts and accessories are available through your local authorised parts distributor.

| Part No. | Description | Comment |
|---|---|---|
| | Daisywheel Printing Element | |
| KX-R10 | COURIER 10 | 1 unit |
| KX-R12 | PRESTIGE ELITE 12 | 1 unit |
| KX-R13 | SCRIPT 10/12 | 1 unit |
| KX-R14 | MINI BLOC 15 | 1 unit |
| KX-R15 | BERLIN ITALIC 10/12 | 1 unit |
| KX-R17 | LETTER GOTHIC 12 | 1 unit |
| KX-R18 | PRIMUS 10/12 | 1 unit |
| KX-R20 | Correctable Film-Ribbon Cassette | 1 unit |
| KX-R21 | Fabric Ribbon Cassette | 1 unit |
| KX-R30 | Lift-off Correction Tape | 2 unit |
| KX-R31 | Cover-up Correction Tape | 2 unit |
| KX-R60 | Interface Adaptor | 1 unit |

# 6-5 SPECIFICATIONS

| | |
|---|---|
| Print Element: | Daisywheel; 96 characters |
| Print Speed: | 15 cps |
| Print Pitch: | 10, 12, 15 |
| Line Spacing: | 1, 1½, 2 |
| Paper Width: | 12" |
| Wringing Line: | 10" |
| Ribbon: | Correctable Film-Ribbon, Fabric Ribbon (Optional) |
| Correction Tape: | Lift-off Tape, Cover-up Tape (Optional) |
| Operating Modes: | TPWR, L/L, JSTFY |
| Memory Life: | Min. 5 years (Lithium Battery) |
| Correction Memory: | 1 line |
| Phrase/Text/Address List Memory: | 9,000 Characters (KX-R194)<br>12,000 Characters (KX-R196) |
| Built-in Dictionary: | 60,000 words |
| User Dictionary: | 100 words (KX-R196 only) |
| Display Type: | Liquid Crystal Display with contrast control |
| Display Size: | 17 chr. including counter (KX-R194)<br>33 chr. including counter (KX-R196) |
| Interface: | Parallel (Centronics) with optional Interface Adaptor KX-R60 (receive only) |
| Power Requirements: | Refer to the nameplate located on the bottom of the typewriter. |
| Power Consumption: | 35 W [Approx. 3 W: When the power switch is turned to STANDBY ( ⏻ )] |
| Operating Temperature: | 41°F (5°C) to 95°F (35°C) |
| Operating Humidity: | 20 to 80% RH |
| Storage Temperature: | -4°F (-20°C) to 140°F (60°C) |
| Dimensions: | 427 (W) × 365 (D) × 112 (H) mm (16¹³⁄₁₆"×14³⁄₈"×4⅜") |
| Weight: | 5.2 kg (11.5 lbs.) |

# GUARANTEE
# CONDITIONS OF GUARANTEE

This guarantee is in addition to and does not in any way affect any statutory or other rights of consumer purchasers.
If within the applicable guarantee period (as shown in 9 below) the Typewriter proves to be defective by reason of faulty design, workmanship or materials, we undertake subject to the following conditions to have the defective Typewriter (or any part or parts thereof) repaired free of charge.

1. The Typewriter shall have been purchased and used solely within the EEC countries and used solely for domestic and normal purposes and in accordance with standard operating instructions and the technical and/or Safety Standards required in the country where this Typewriter is used.
2. The purchaser shall within 7 days of purchase complete the attached card and send it to us for registration. Failure to return such card could result in delay in providing the guarantee service.
3. For Typewriter used in the U.K., Channel Islands, Isle of Man and Republic of Ireland, the Typewriter should be returned together with this guarantee and proof of date of purchase promptly on being found defective at the purchaser's risk and expense to the authorised dealer from whom the Typewriter was purchased or to the nearest authorised dealer. All enquiries must be through such dealers. For Typewriter used in other EEC countries, see 10.
4. This guarantee shall not apply to damage caused through fire, accident, misuse, wear and tear, neglect, incorrect adjustment or repair, to damage caused through installation, adaptation, modification or use in an improper manner or inconsistent with the technical and/or Safety Standards required in the country where this Typewriter is used, or to damage occurring during transit to or from the purchaser, or to damage which is attributed to acts of God.
5. If at any time during the guarantee period any part or parts of the Typewriter are replaced with a part or parts not supplied or approved by us or of an objective quality safe and suitable for the Typewriter, or the Typewriter has been dismantled or repaired by any person not authorised by us (except as provided in 10), we shall have the right to terminate this guarantee in whole or in part immediately without further notice.
6. The purchaser's sole and exclusive remedy under this guarantee against us is for the repair of the Typewriter or any defective part or parts and no other remedy, including, but not limited to, incidental or consequential damage or loss of whatsoever nature shall be available to the purchaser.
7. This guarantee shall not apply to print ribbon, correction tape, daisywheel, rubber parts, and any other items of limited natural life.
8. Our decision on all matters relating to complaints shall be final. Any defective part which has been replaced shall become our property.
9. The guarantee period applicable to this Typewriter shall be 12 months.
10. For Typewriters used in any country of the EEC other than the U.K., Channel Islands, Isle of Man and Republic of Ireland, the following conditions shall be applicable:
    (A) When the purchaser finds the Typewriter to be defective, he should promptly contact the proper sales company or national distributor in the EEC country where this guarantee is claimed, as indicated in the "Product Service Guide" or the nearest authorised dealer together with this guarantee and proof of date of purchase.
    The purchaser will then be informed whether:
    (i) the sales company or national distributor will handle the repair service; or
    (ii) the sales company or national distributor will arrange for trans-shipment of the Typewriter to the EEC country where the Typewriter was originally marketed; or
    (iii) the purchaser may himself send the Typewriter to the sales company or national distributor in the EEC country where the Typewriter was originally marketed.
    (B) If the Typewriter is a product model which is normally supplied by the sales company or national distributor in the country where it is used by the purchaser, then the Typewriter, together with this guarantee card and proof of date of purchase, should be returned at the purchaser's risk and expense to such sales company or distributor, which will handle the repair service. In some countries, the affiliated sales company or national distributor will designate dealers or certain service centres to execute the repairs involved.
    (C) If the Typewriter is a product model which is not normally supplied in the country where used, or if the Typewriter's internal or external product characteristics are different from those of the equivalent model in the country where used, the sales company or national distributor may be able to have the guarantee repair service executed by obtaining spare parts from the country where the Typewriter was originally marketed, or it may be necessary to have the guarantee repair service executed by the sales company or national distributor in the country where the Typewriter was originally marketed.
    In either case, the purchaser must furnish this guarantee card and proof of date of purchase. Any necessary transportation, both of the Typewriter and of any spare parts, will be at the purchaser's risk and expense, and there may be a consequent delay in the repair service.
    (D) Where the consumer sends the Typewriter for repairs to the sales company or national distributor in the country of use of the Typewriter, the service will be provided on the same local terms and conditions (including the period of guarantee coverage) as prevail for the same model Typewriter in the country of use, and not the country of origin. Where the consumer sends the Typewriter for repair to the sales company or national distributor in the EEC country where the Typewriter was originally marketed, the repair service will be provided on the local terms and conditions prevailing in the country of origin.
    (E) Some product models require adjustment of adaptation for proper performance and safe use in different EEC countries, in accordance with local voltage requirements and safety or other technical standards imposed or recommended by applicable regulations. For certain product models, the cost of such adjustment or adaptation may be substantial and it may be difficult to satisfy local voltage requirements and safety or other technical standards. It is strongly recommended that the purchaser investigate these local technical and safety factors before using the Typewriter in another EEC country.
    (F) This guarantee shall not cover the cost of any adjustments or adaptations to meet local voltage requirements and safety or other technical standards. The sales company or national distributor may be in a position to make the necessary adjustments or adaptations to certain product models at the cost of the purchaser. However, for technical reasons it is not possible to adjust or adapt all product models to comply with local voltage requirements and safety or other technical standards. Moreover, where adaptations or adjustments are carried out the performance of the Typewriter may be affected.
    (G) If in the opinion of the sales company or national distributor in the country where the Typewriter is used the purchaser has the necessary adjustments or adaptations to local voltage requirements and technical or Safety Standards properly made, any subsequent guarantee repair service will be provided as above indicated, provided the purchaser discloses the nature of the adjustment or adaptation if relevant to the repair. (It is recommended that the purchaser should not send adapted or adjusted equipment for repair to the sales company or national distributor in the country where the Typewriter was originally marketed if the repair relates in any way to the adaptation or adjustment.)
    (H) This warranty shall not be valid in any territory or territories not belonging to the Customs Territory of the Community.

Please keep this guarantee with your receipt.

**Panasonic Business Systems U.K.**